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GIANT FLOWERED ZINNIAS — see page 15

1938 Annual Catalog
**Flower, Field and Garden
Seeds • Poultry Supplies**

Monarch
SEED & FEED CO.
**MEDFORD
OREGON**



TITHONIA SPECIOSA GRANDIFLORA FIREBALL

Dazzling as a ball of fire poised high above other flowers, Fireball is, undoubtedly, the last word in brilliance of color in a fall blooming plant. It is a very brilliant vibrant shade of scarlet orange with a clear yellow center. The flowers are single, very large, $4\frac{1}{2}$ to 5 inches in diameter and are carried on fine long stems. The plants are very tall, neat in appearance, with a fairly heavy growth of grayish green woolly foliage. Flowers late and is excellent for cutting. Pkt. 25c.

MARIGOLD GIGANTEA SUNSET GIANTS

Sunset Giants are very showy, fragrant, and of exceptional size. The flowers are the largest ever known in the Marigold group, averaging 5 to $7\frac{1}{2}$ inches. Instead of the usual Marigold odor these flowers have a definitely sweet fragrance. The flowers are loosely formed, very full centered, with broad heavy petals gracefully overlapping to make a flower of great depth. Sunset Giants is a mixture ranging from deep orange through golden orange, deep golden yellow, light yellow, lemon yellow, and a delightful new shade of primrose. Pkt. 15c.



SCABIOSA GIANT ANNUAL SALMON BEAUTY

A pure Salmon in color with huge flowers and all the vigor of its near relative, the popular Loveliness. The flowers are extra large and the stems are long and stiff. This glorious new color will undoubtedly make it a popular flower for the garden and also for cutting. Pkt. 25c.

COSMOS, SENSATION PINKIE

This is the finest new development in Cosmos. The flowers are very large, as much as 5 inches in diameter, with broad, heavy fluted petals, slightly overlapped. Ideal for cut flowers. Sturdy plants are 3 to 4 ft. high, producing flowers 8 to 10 weeks from seed. Pkt. 25c.



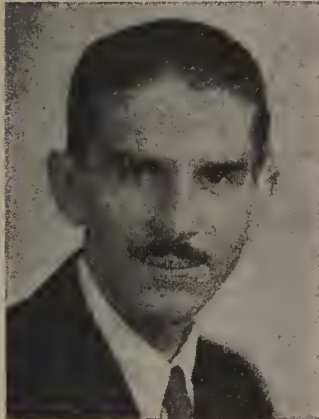
Folks: Here We Are . . .

“RIGHT BACK AT YOU”

FOR ANOTHER SEASON



R. A. MIKSCHÉ
“Ray”
General Manager



R. M. MIKSCHÉ
“Bob”
Sales Manager

At the commencement of another season it is with pleasure that we present to our customers the new edition of our Annual Seed and Supply Catalog and we take the opportunity of assuring you how highly we appreciate the confidence you have always placed in us. We need hardly say that it will continue to be our constant endeavor to merit this confidence in the future, by executing all orders entrusted to our care with the greatest possible promptness and accuracy.

Our ambition has been to serve you in such manner as to merit a return to our Company year after year for seeds and supplies. The seed we supply you is of the highest quality both with regards trueness-to-type and viability. Seeds like all other merchandise can be purchased for less money. Buying seed is often likened to “buying a pig in a poke”. You cannot tell what you are getting when you purchase. You must depend upon the honesty and integrity of the house with which you are dealing. We realize that only through confidence, built with “BETTER SEEDS” can we expect to continue in your good graces. Therefore we buy only the very best—that you will be pleased with MONARCH seeds. You can buy cheaper seeds than we list in this catalog, but we assure you, you can buy no better.

We deeply appreciate the loyal support of countless customers and trust it may be our extreme pleasure to serve you again this Spring. We know you will be pleased with anything you order from our 1938 catalog.

Very sincerely,

MONARCH SEED & FEED CO.,
Miksche Brothers.

Customers Please Take Notice

Our Terms are Strictly Cash with Order. We prefer not to send seeds C. O. D. unless order is accompanied by at least one-third of the amount of order.

How to Remit. Send postal money order, express money order, or check. Stamps will do if your order is for a small amount.

Errors. We exercise every care in handling your orders, but should an error occur, kindly write us at once, and we will adjust it promptly.

All prices in this catalog are subject to change without notice.

Reports—Good or Bad. Will you help us to attain greater success by writing and telling us how our Seeds and Supplies reach you, how they grow and how you like them? We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

Non-Warranty. Most of the failures with seeds are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success. We therefore give no warranty as to description, quality or productiveness of any of the seeds we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods under these conditions, they are to be at once returned.

WE DO NOT GUARANTEE REPLACEMENT OF GOODS SENT BY MAIL. An additional remittance of 5 cents will insure any mail package.

Notes About Parcel Post

Poisons can not be sent by mail, but may be shipped by express.

Weight limit in all zones 70 pounds.

Weight in pounds	Local	1st. Up to 50 miles	2d. 50 to 150 miles	3d. 150 to 300 miles	4th. 300 to 600 miles	5th. 600 to 1,000 miles	6th. 1,000 to 1,400 miles	7th. 1,400 to 1,800 miles	8th. Over 1,800 miles
1	\$0.07	\$0.08	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2	.08	.10	.10	.11	.14	.17	.19	.23	.26
3	.08	.11	.11	.13	.17	.22	.26	.32	.37
4	.09	.12	.12	.15	.21	.27	.33	.41	.48
5	.09	.13	.13	.17	.24	.33	.40	.50	.59
6	.10	.14	.14	.19	.28	.38	.47	.59	.70
7	.10	.15	.15	.21	.31	.43	.54	.68	.81
8	.11	.16	.16	.23	.35	.49	.61	.77	.92
9	.11	.17	.17	.25	.38	.54	.68	.86	1.03
10	.12	.18	.18	.27	.42	.59	.75	.95	1.14



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Calendula, Orange Fantasy



Cornflower, Jubilee Gem



Marigold Golden West

CALENDULA, ORANGE FANTASY

Award of Merit, All-America Selections, 1938

Distinct. Rather dwarf, heavy foliaged plants. 18 to 24 in. Orange flowers with center cushion of seal brown. True. A fine novelty. Pkt. 25c.

CORNFLOWER, JUBILEE GEM

Award of Merit, All-America Selections, 1937

Jubilee Gem is a dwarf variety of Cornflower making a compact plant literally covered with flowers. The plant is about 12 inches in height. Easy to grow, it is "everyone's" flower and is adaptable for almost any purpose to which a plant may be put. As an edging plant, a border plant, or for ground work in formal beds of Roses, etc., it will be found admirable; it is a fine cut flower and, above all, it may be sown outside in the Autumn for Spring flowering, or in the Spring for Summer flowering. Pkt. 25c.

SHAKESPEARE'S PANSIES

A simple, quaint little Pansy suitable for any location in the garden and can be easily grown wherever Pansies are successful. In no sense a "florist" Pansy. Pkt. 25c.

MARIGOLD GOLDEN WEST

New Carnation-flowered Marigold; earlier, larger, more dwarfed, and more floriferous than Guinea Gold. Flowers are fully double, bright, rich orange, $3\frac{1}{2}$ in. and more across, with petals loosely and gracefully placed. Plants grow about $2\frac{1}{2}$ ft. tall, and as they branch very freely from near the base, the stems are quite long and the flowers are to be had along the sides as well as on top. Blooms in about 15 weeks from seed. Pkt. 25c.

PETUNIA, TOPAZ ROSE

Special Mention, All-America Selections, 1938

A Hybrid type Petunia of fiery, velvety rose of a brilliancy seldom seen. Slightly suffused with gold which gives it the fiery appearance and the throat is topaz. Runs true and has a strong Petunia scent. Holds color and does not burn in the hottest sun. Good grower, 15 to 18 in. tall and fairly upright. Pkt. 25c.

CHRYSANTHEMUM MARIGOLDS

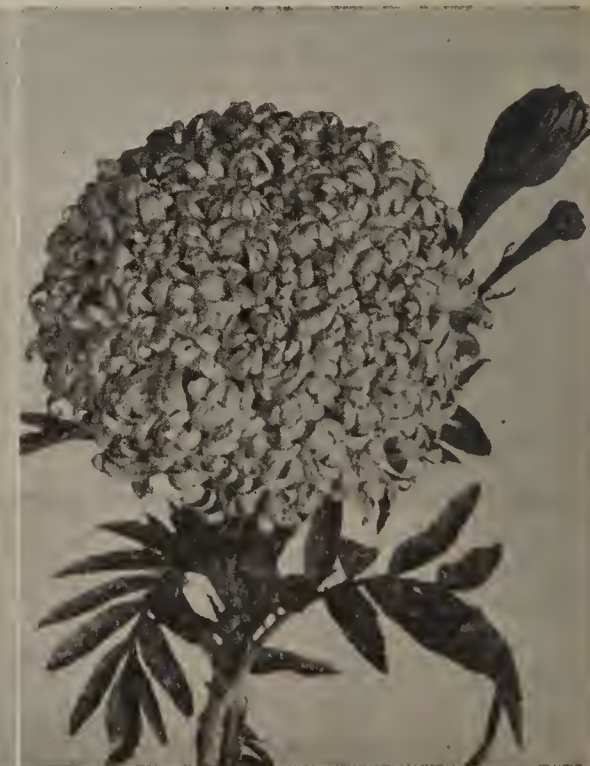
A new strain of Marigold Hybrids identical in form of flower with the lovely incurved Chrysanthemum. Plants are very floriferous and the stems are good and strong for cutting. A great advance in African Marigolds and comes in orange, golden orange, and yellow. All colors true and 100% double. Pkt. 25c.



Shakespeare's Pansies



Petunia, Topaz Rose



Chrysanthemum Marigolds



Aster, Crego Enchantress



Aster, Illusion



Calliopsis, Golden Crown

ASTER, CREGO ENCHANTRESS

A luscious shade of lively salmon rose. Distinct and new from all other colors yet developed in Asters. Flowers are large, of good substance, and are produced on free flowering, branching, wilt resistant plants. Blooms in early September. Pkt. 25c.

ASTER, ILLUSION

Another new color in a wilt resistant Aster. A soft, apricot pink. The plants are upright, about two feet tall and very free blooming. Fine for cutting. Flowers during mid-August. Pkt. 25c.

CALLIOPSIS, GOLDEN CROWN

Award of Merit, All-America Selections, 1938

An enlarged Drummondii. A rich orange-yellow or gold of pleasing fragrance. Makes a good cut flower with 12 in. wiry stems. Similar to Golden Crest. Pkt. 25c.

STOCK, SUPER GIANT IMPERIAL BLUSH PINK

A beautiful blush pink. Grows 3 feet tall, base branching, producing 12 to 15 huge flower spikes. Individual flowers measure 2 in. or more in diameter. A new addition to the Super Giant Imperial group. Pkt. 25c.

PETUNIA, SALMON SUPREME

Award of Merit, All-America Selections, 1938

Dwarf bedding variety of Petunia. A distinct and new light salmon color in this type. Flowers about 1½ in. across with white throat and plain petals. Plants grow about 12 in. high and wide, growing more late in the season and continuing to bloom. Pkt. 25c.

RUST RESISTANT SNAPDRAGON, SWING TIME

The loveliest rose pink imaginable with a bright yellow touch and a white tube that is an addition to its beauty rather than a hindrance. Spikes are huge and evenly packed with immense blooms beautifully tapered. Pkt. 25c.



Stock, Blush Pink



Petunia, Salmon Supreme



Snapdragon, Swing Time

Annual and Perennial Flower Seeds

ABRONIA, Sand Verbena

A trailing annual of low growing habit with small pink flowers. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places.

Umbellata Grandiflora. Pkt. 10c.

ACROCLINIUM

Double daisy-like flowers, in rose and white shades, about an inch in diameter, make fine bouquets as fresh blooms, but are fine to keep as winter bouquets.

Double Mixed. Pkt. 10c.

AGATHEA, Blue Marguerite

Splendid free flowering border perennials, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They are readily grown from seed and bloom the first season.

Coelestis. Pkt. 10c.

AFRICAN DAISY (See *Dimorphotheca*)

AGERATUM, Floss Flower

One of the most popular Summer blooming plants grown from seed, being literally covered with flowers from early Summer until frost. Excellent for borders, edgings, rockery, or pots. The taller varieties are fine for cutting. Do well in semi-shade.

Fairy Pink. See inside front cover.

Blue Ball. Compact round plants, 6 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging. Pkt. 10c.

Blue Perfection. Clear deep amethyst blue, of compact growth and the finest of all large-flowering ageratum. Height 1 foot. Pkt. 10c.

ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in Summer, or for growing in pots and boxes for Winter blooming.

Carpet of Snow. Pure white flowers on plants only 3 inches tall. Rapidly becoming a favorite variety. Pkt. 10c.

Lilac Queen. Of dwarf, compact growth; flowers pure lilac color. 4 inches. Pkt. 10c.

Saxatile Compactum. Perennial. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in early spring. Pkt. 10c.

AMARANTHUS, Summer Poinsettia

Brilliant-foliaged annuals, growing from 3 to 5 feet high, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, or for the centers of large beds. They thrive best in a hot, sunny location and not too rich soil.

Molten Fire. Very ornamental and the most beautiful of all Amaranthus. Very easily grown from seed; leaves dark bronze, center Poinsettia red. Pkt. 15c.

Tricolor Splendens (Joseph's Coat). Foliage green, variegated crimson and yellow; height, 2 feet. Pkt. 10c.

Mixed. All sorts. Pkt. 10c.



AGERATUM



SUPER GIANT SNAPDRAGONS

ANCHUSA, Summer Forget-Me-Not

A free-flowering class, producing its charming Forget-Me-Not-like blooms in graceful sprays from early Summer until late Fall.

Blue Bird. Deep blue flowers on plants 18 inches tall. Pkt. 10c.

ANTIRRHINUM, Snapdragon

Snapdragons have always been universal garden favorites. They are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinary good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

Swing Time. New rust resistant novelty. See page 3.

SUPER GIANTS, RUST RESISTANT

30 to 36 inches tall.

Apple Blossom. Rosy pink, white tube. Pkt. 15c.

Campfire. Luminous scarlet. Pkt. 15c.

Canary Bird. Canary yellow. Pkt. 15c.

Copper King. Bronzy copper. Pkt. 15c.

Crimson. Fiery crimson. Pkt. 15c.

Loveliness. Soft rose pink. Pkt. 15c.

Finest Mixed. Pkt. 10c.

LARGE FLOWERED, HALF DWARF

Rust Resistant

Carmin Rose. Bright carmine rose. Pkt. 15c.

Glowing Sunset. Rosy scarlet. Pkt. 15c.

Indian Girl. Old gold. Pkt. 15c.

Orange. Orange suffused pink. Pkt. 15c.

Wildfire. Bright orange scarlet. Pkt. 15c.

Finest Mixed. Pkt. 10c.

AQUILEGIA, Columbine

These are among the most beautiful of Spring and early Summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage.

Crimson Star. (Award of Merit, Royal Horticultural Society.) Rich dark crimson sepals and spurs, in wonderful contrast to the white petals — a combination of colors entirely new in Aquilegia. Flowers are large, plants are vigorous; a wonderful novelty. Pkt. 25c.

Mrs. Scott Elliott's Strain. One of the finest tall strains ever developed, long-spurred, large flowers, in a splendid mixture of colors. Pkt. 20c.

ANNUAL AND PERENNIAL FLOWER SEEDS



AQUILEGIA LONG SPURRED CRIMSON STAR

ARMERIA, Sea Pink or Thrift

Very pretty hardy perennial with slender leaves and rosy-pink flowers. Invaluable for edging. *Formosa*. Pkt. 10c.

ARCTOTIS, Blue-Eyed African Daisy

This is a sun loving plant better suited to American conditions than any other African Daisy. The petals are white with light lilac backs, radiating from a steel blue and yellow center. Thrives in dry places. *Grandis*. Pkt. 10c.

ASTER

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, not equalled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a well pulverized soil, always kept open by continuous cultivation.

Aster Crego Enchantress. See page 3.

Aster Illusion. See page 3.

Aster Super Giant El Monte. (Special Mention, All-America Selections, 1936.) El Monte was awarded the highest rank of all the new Aster seedlings placed in competition in 1935. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems. It is very early blooming, and remains in flower over a long period. Pkt. 15c.

Super Giant Los Angeles. Award of Merit, All-America Selections, 1934. Los Angeles was the first introduction in the modern Super Giant class, the flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. The long, stiff stems are basal branching and strictly non-lateral, bearing the large shell pink flowers smartly upright. Pkt. 15c.

IMPROVED CREGO WILT RESISTANT. The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

Crimson. Glowing deep rose-crimson. Pkt. 10c.

Pink. Attractive light shell pink. Pkt. 10c.

Cattleya. Fascinating shade of orchid. Pkt. 10c.

Purple. Showy violet purple. Pkt. 10c.

Rose. Lovely bright carmine rose. Pkt. 10c.

White. Purest white, large and fluffy. Pkt. 10c.

Crego's Finest Mixed. Pkt. 10c.

IMPROVED GIANTS OF CALIFORNIA. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty

Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list.

White. Very large. Pkt. 15c.

Light Blue. Very delicate. Pkt. 15c.

Deep Rose. Rich shade. Pkt. 15c.

Dark Purple. Very distinct. Pkt. 15c.

Mixed. Above and others. Pkt. 15c.

SINGLE CHINA ASTERS. Wilt Resistant. Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single Asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

Mixed Colors. Pkt. 10c.

IMPROVED GIANTS OF CALIFORNIA SUNSHINE (Single Crested). This fascinating new Aster type, rightly called the most beautiful in the world. The flowers, 4-5 inches across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center disc. Stems are long and heavy, on plants from 2 to 3 feet in height. Blooms early to mid-September.

Finest Mixed. Pkt. 15c.

AMERICAN BRANCHING. Wilt Resistant. Plants 2½-3 feet tall, branching, robust, flowers large, double and fine form, blooming in early September. Our selected stocks of these are the best money can buy.

Finest Mixed. Pkt. 10c.

AUBRETIA, False Wall Cress

Pretty dwarf-growing rock plants, forming broad masses of silvery green foliage and sheets of flowers in Spring and early Summer.

Large Flowering Hybrids, Mixed. Pkt. 20c.

BABY'S BREATH (See Gypsophila)

BACHELOR'S BUTTON (See Centaurea)

BALLOON VINE, Love-in-a-Puff

A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons.

Cardiospermum. Pkt. 10c.

BALSAM, Lady Slipper

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

Camelia Flowered. Finest mixed. Pkt. 10c.

BEAN

A rapid climber, flowering profusely; grows 10 to 15 ft. high. *Scarlet Runner*. Pkt. 5c.



ASTER, SUPER GIANT, LOS ANGELES

ANNUAL AND PERENNIAL FLOWER SEEDS



CLARKIA ELEGANS DOUBLE

BELLIS, English Daisy

A favorite perennial, which will stand the Winter if given the protection of a little litter. In bloom from early Spring until well on in the Summer. Seed may be sown any time from Spring until August. For best results, new plants should be raised from seed each year.

Double Finest Mixed. Pkt. 10c.

BLACK-EYED SUSAN (See Thunbergia)

BLUE MARGUERITE (See Agathea)

BRACHYCOME, Annual Cineraria

Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height, 9 inches.

Mixed Colors. Pkt. 10c.

BROWALLIA, Amethyst

Favorite annual, covered with beautiful rich blue flowers during Summer and Autumn in the garden. Blooms freely in Winter if the plants are lifted in Autumn and cut back.

Mixed. Pkt. 10c.

CALENDULA, Scotch Marigold

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early Summer and continues into the Fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height.

Campfire Improved. The color is well known, a very deep strong orange with a distinct scarlet sheen on the upper side of each petal. Blooms are flat across the top and measure at least 4 inches in diameter. The plants are strong growing and even in habit, with exceptionally long heavy cutting stems, produced in generous quantity on each plant. Pkt. 15c.

Calendula Orange Fantasy. See page 2.

Orange Shaggy. Gold Medal, All-America Selections, 1935. One of the most interesting introductions is the new lacinated type, Orange Shaggy. Deep orange shading lighter at the center, exceedingly graceful and informal in appearance, it is a striking contrast to the formal Calendulas in general use. The plants are free flowering, neat and compact, bearing long stems which make the fringed petaled flowers equally useful in the garden or for cutting. Pkt. 10c.

New Sunshine Calendula. Chrysanthia. Gold Medal Winner, All-America Selections, 1934. A lovely, friendly newcomer. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges, somewhat like a Chrysanthemum. Flowers are mounted on strong, wiry stems a foot in length; excellent for cutting. Pkt. 10c.

Radio. A late English introduction, a distinct new break. Flowers very full, petals quilled. Color a rich glowing orange. Pkt. 10c.

Orange King. Extra select, dark center. Pkt. 10c.

Double Mixed. Pkt. 10c.

Art Shades. Mixed. Pkt. 10c.



CALENDULA CHRYSANTHA



BRACHYCOME

CALIFORNIA POPPY (See Eschscholtzia)

CALLIOPSIS, Tickseed

Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early Spring; thin out to 6 inches apart. Cut flowers as soon as they open, as this prolongs the blooming season until Autumn.

Golden Crown. See page 3.

Drummondii (Golden Wave). Golden yellow, center dark, brownish red. Pkt. 10c.

Tall Mixed. Pkt. 10c.

Dwarf Mixed. Pkt. 10c.

CAMPANULA, Canterbury Bell

Campanula Medium. One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during Spring and Summer. Sow seed in late Spring or Fall in seed beds or boxes and later transplant to their permanent location.

Single Mixed. Pkt. 10c.

Double Mixed. Pkt. 10c.

Calycanthemum (Cup and Saucer). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

Finest Mixed. Pkt. 10c.

Annual Canterbury Bells. Gold Medal, All-America Selections, 1933. We have all wished for a Canterbury Bell that would not occupy the ground for so long before it flowered. An annual, when planted from seed, loads itself with flowers in less than five months, in colors the same as the biennial type, including the various shades of blue, pink, rose, and white. By making successive plantings all through the early spring, we can have these lovely flowers all summer and early fall.

Finest Mixed. Pkt. 10c.

CANDYTUFT, Iberis

Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June; successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. 1 foot.

Coronaria. Giant white Hyacinth flowered. Pkt. 10c.

Umbellata. Mixed. Pkt. 10c.

CARDINAL CLIMBER

Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all Summer.

Ipomoea Cardinalis. Pkt. 10c.

CARNATION, Dianthus Caryophyllus

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.

Chabaud Giant. 18 inches. This variety blooms six months after seeding and continues throughout the Summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size. This type should not be confused with the old, small-flowered Chabaud.

Cardinal Red. Pkt. 15c.

Rose. Pkt. 15c.

Mixed. Pkt. 10c. **Yellow.** Pkt. 15c. **White.** Pkt. 15c.

ANNUAL AND PERENNIAL FLOWER SEEDS

CASTOR BEAN (See Ricinus)

CELOSIA, Cockscomb

Very attractive and showy, somewhat tender annual, producing massive heads in rich shades of crimson and yellow flowers. Should be started in hot beds and transplanted to rich soil after warm weather comes. Set plants a foot or more apart.

Plumosa choice mixed, height 2 feet. Pkt. 10c.

CENTAUREA, Dusty Miller

Particularly well adapted for border planting. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. Others have a downy growth on their leaves, making the foliage quite ornamental. All of them are of easy culture from seed.

Jubilee Gem (Novelty). See page 2.

Cyanus Double (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets.

Blue Boy. Pkt. 10c. **Rose**. Pkt. 10c. **Mixed**. Pkt. 10c.

Imperialis (Sweet Sultan). These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

Mixed. Pkt. 10c.

CHEIRANTHUS, Siberian Wallflower

This unusual little plant deserves a place in your rock garden or low border. Upright spikes bear numerous four-petaled flowers of dazzling rich orange. Though a hardy biennial, it flowers the first season from seed and when established will bloom throughout the Summer.

Allioni. Golden bedder. Pkt. 10c.

CHINESE LANTERN PLANTS

(See *Physalis Francheti*)

CHRYSANTHEMUM, ANNUAL, Painted Daisy

A showy and much admired class of flowers. Large, daisy-like blooms borne profusely during the Summer and Fall. Excellent for beds, borders and cutting.

Finest Single Mixed. Includes all colors and gives a wonderful display in beds or borders. Pkt. 10c.

Coronarum, Double Mixed. Lovely button-shaped blooms, 1½ inches across. Fully double; 18 inches tall. Pkt. 10c.

COCKSCOMB (See Celosia)

COLUMBINE (See Aquilegia)

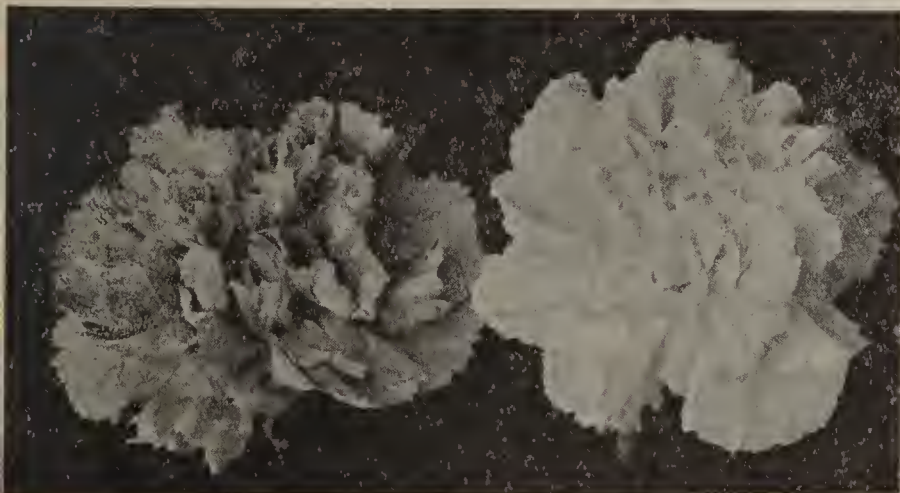
CONE FLOWER (See Rudbeckia)

COREOPSIS

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting. Height 3 feet.

Lanceolata Grandiflora. Single golden yellow flowers of graceful form. Pkt. 10c.

Grandiflora Double Sunburst. Much of the beauty of early summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, 1½ to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration. Fine keepers; plants are easy to grow. Pkt. 20c.



CARNATION, CHABAUD GIANTS

CLARKIA

An annual, flowering in July, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which open in water when cut.

Elegans. Double. Choice mixed. Height 2 feet. Pkt. 10c.

COSMOS

No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late Summer and Fall. Fine for cutting as the flowers last well in water. Cosmos are easy to grow.

Early Klondyke Orange Flare. Grand Champion Gold Medal, All-America Selections, 1935. The long stemmed flowers of bright vivid orange are freely borne on 2 to 3 foot plants. Its most remarkable feature, however, is its early blooming habit. It blooms from mid-summer until frost. Pkt. 10c.

Cosmos Sensation. See inside front cover.

EARLY SINGLE. Grows 5 feet tall and blooms several weeks before the late-flowering varieties. Flowers 3 inches across. **Mixed**. Pkt. 10c.

EARLY DOUBLE CRESTED. Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

Early Double, Mixed. Pkt. 10c.

CYPRESS VINE, Ipomoea Quamoclit

A rapid-growing climber with soft deep green feathery foliage. The flowers are slender little trumpets with star-shaped rims. Due to its twining habit it will readily climb a stretched cord or light trellis.

Mixed. Pkt. 10c.

DAHLIAS (From Seed)

Unwin's Dwarf Hybrids. These double and semi-double dahlias are one of England's best contributions to the flower world. They grow from 18 inches to 2 feet tall and come in many delightful shades. Plants are compact and are as easy to grow as zinnias. Bloom the whole summer.

Mixed Colors. Pkt. 25c.

DIANTHUS, Annual Pinks

A charming class of annual flowers for beds, borders, edgings, and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

Laciniatus Splendens. Special Mention, 1935 All-America Selections. The most striking Dianthus ever offered. Free flowering and easily grown, neat and compact in habit, bearing generous quantities of its large, sweet scented single flowers of brilliant crimson, with a boldly contrasted glistening white eye. Pkt. 15c.

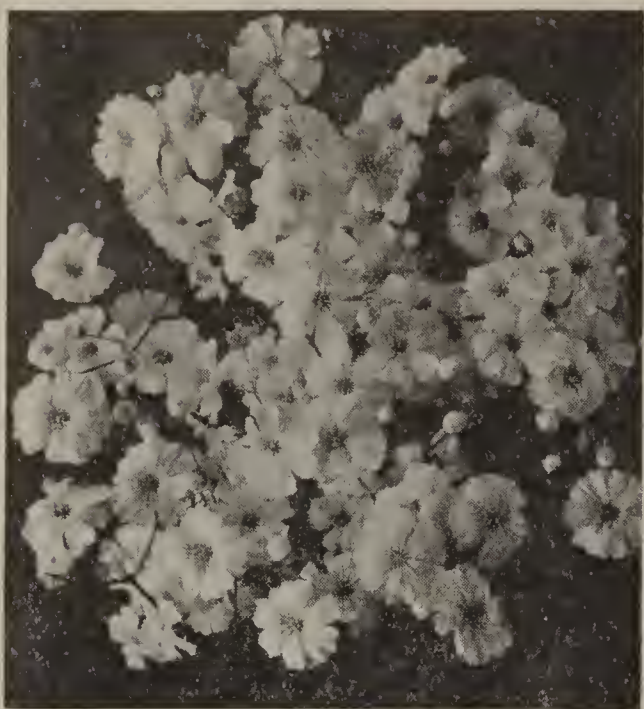
Heddewigii Laciniatus Double Mixed (Japan). Superb flowers rivaling the Carnation in size and doubled blossoms. Excellent for bouquets. Pkt. 10c.

Heddewigii Single Mixed. Large finely marked flowers having fringed petals. Pkt. 10c.



DAHLIA UNWIN'S DWARF HYBRIDS

ANNUAL AND PERENNIAL FLOWER SEEDS



GYPSOPHILA ELEGANS IMPROVED

DELPHINIUM

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The dwarfs are valuable in the border while the magnificent tall varieties are stately and beautiful in front of a shrubby background. Above the deeply cut dark green leaves rise long floral spikes.

TALL HYBRIDS. Handsome sorts adapted to backgrounds. Plants grown from early sown seed will flower late the first season, but reach their full development the second year and thereafter, 5 feet.

Belladonna. A delightful shade of silvery blue. Pkt. 15c.

Bellamosum. Rich, deep and intense blue. Pkt. 15c.

Blackmore and Langdon Hybrids. Latest and highest development of the Hollyhock type of Delphinium. Very large single, semi-double, and double flowers. All the pastel shades from very light blue to indigo. Pkt. 25c.

DIDISCUS, Queen Anne's Lace Flower

Queen Anne's Lace Flower grows into an upright, very much-branched plant about 2 feet high. Each branch ends in an umbel of sky-blue flowers. It is easily grown and a splendid cut flower, lasting unusually long in water. Seed may be sown outdoors in a well prepared seed bed.

Coeruleus Blue. Pkt. 10c.

DIGITALIS, Foxglove

This ornamental hardy plant is used extensively for naturalizing in shrubby borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July.

Gloxiniaeflora. This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes. Mixed Colors. Pkt. 10c.

DIMORPHOTHECA, African Golden Daisy

The plants are of branching habit, growing about 15 inches high. An easily cultivated annual.

Aurantiaca Hybrids. Beautiful new hybrids of the African Golden Daisy. The flowers are equally large, but vary in color from the purest white through the various shades of yellow and orange to rich salmon shades, many being zoned with several of these colors around the black disk. Pkt. 10c.

Orange Improved. Pkt. 10c.

DUSTY MILLER (See Centaurea)

ENGLISH DAISY (See Bellis)

ESCHSCHOLTZIA, California Poppy

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom a few weeks after the seed is sown.

Grandiflora Hybrids. Large flowering varieties in the most exquisite shades of gold, copper, bronze, scarlet, purple and crimson. Mixed colors, pkt. 10c.

Ramona Hybrids. A new strain containing many lovely shades. The plants grow compact and upright, with flowers beautifully frilled. Mixed colors, pkt. 10c.

Double Eschscholtzia. The flowers are like little silken flags, beautifully fluted and crinkled, double and semi-double. The colors are rich yellow, orange and salmon. Mixed colors, pkt. 10c.

Aurantiaca, Orange. The ordinary California poppy. Pkt. 10c.

EVENING PRIMROSE, Oenothera

A twilight blooming plant. Flowers of brilliant yellow are often 3 inches across. Clusters of them decorate the tops of upright spikes which are arranged in the form of a candelabra.

Lamareckiana. Pkt. 10c.

FLAX (See Linum)

FORGET-ME-NOT, Myosotis

The Alpestris varieties bloom in April and are largely used for bedding and borders, while other varieties bloom in May and continue until frost.

Alpestris, Blue. Blue with white eyes. Pkt. 10c.

FOUR O'CLOCK, Marvel of Peru

A favorite showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. The plants bloom freely from July until frost.

Tall, Mixed. 2 feet tall with flowers in many fine colors. Pkt. 10c.

FOXGLOVE (See Digitalis)

GAILLARDIA, Blanket Flower

Tones of orange, yellow, red, and maroon, often beautifully combined in a single blossom, make these flowering plants gay ornaments of the garden all Summer long. The foliage of soft green combines well with the flowers. The blossoms are 2 to 3 inches across. Both the annuals and perennials are favorites for the border.

Single Picta Mixed. Large daisy-like blossoms of yellow and bronze with central cones of yellow. Pkt. 10c.

Double Picta Lorenziana Mixed. Globular heads of tubular florets in shades of sulphur, orange, and claret. Pkt. 10c.

Grandiflora Portola Hybrids. (Perennial) Semi-double blooms of magnificent size and broad overlapping petals, golden tipped around glowing centers of bronzy red. Pkt. 15c.

GEUM, Avens

Beautiful hardy perennials, bearing profusely large, snowy, double, dark crimson flowers all through the Summer. An elegant flower for bouquets.

Lady Stratheden. A new golden yellow with large full flowers of great beauty. Pkt. 15c.

Mrs. Bradshaw. Large, double, brilliant orange-scarlet. In flower throughout the entire Summer. Pkt. 15c.

GODETIA, Satinflower

Very handsome annual plants especially suited for semi-shady locations. Sow in Spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting.

Tall Double. Long graceful spikes are decorated with double blossoms resembling satin pompons one above another. Height 2 feet. Choice mixed colors, pkt. 10c.

ORNAMENTAL GOURDS

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments.

Small Mixed. Pkt. 10c.

Large Mixed. Pkt. 10c.

GYPSOPHILA, Baby's Breath

Pretty, free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers.

Elegans Grandiflora. London Market Improved. An improved annual strain with single large pure white flowers. Sow at intervals for a supply of flowers throughout the summer. Height 2 feet. Pkt. 10c.

Paniculata White. Hardy perennial with graceful sprays of tiny rose-shaped blooms. If cut before the flowers are fully opened, sprays can be used in winter bouquets. Height 3 feet. Pkt. 10c.

HELIOTROPE

A well known and highly prized plant because of the delightful fragrance of the flowers. Seed started indoors in the Spring will make fine plants for Summer blooming. Can also be sown outdoors in May. Excellent for pots, or for bedding, 18 inches.

Choice Mixed. Pkt. 10c.

ANNUAL AND PERENNIAL FLOWER SEEDS

HELIANTHUS, Sunflower

Well known and popular plants, the small flowering sorts being useful for cutting. The tall varieties are valuable for backgrounds.

Chrysanthemum Flowered. Large densely double, bright golden flowers. The plant branches and affords fine, long stout stems for cutting. Height 6 feet. Pkt. 10c.

Cut-and-Come-Again. Single golden yellow flowers with petals twisted like a Cactus Dahlia. (Small flowered sort.) Pkt. 10c.

Russian Mammoth. Immense single yellow flowers on tall heavy stalks. 6 feet. Pkt. 10c.

HELICHRYSUM, Straw Flower

The finest of all Everlastings for the home garden. They are very handsome when growing in the open and make unusually fine Winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. They come in a wide range of brilliant and soft colors. **Finest Mixed.** Pkt. 10c.

HOLLYHOCK

One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well planned herbaceous border.

Single Annual, Finest Mixed. Pkt. 10c.

Double, Chater's Finest Mixed. Pkt. 10c.

HUNNEMANNIA, Yellow Tulip Poppy

Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and are never out of flower until hard frost. The plants grow 2 feet high and are quite bushy, with beautiful feathery foliage.

Sunlite. Award of Merit, All-America Selections. Semi-double, canary yellow. Pkt. 10c.

IBERIS (See Candytuft)

ICELAND POPPY (See Poppy Nudicale)

IPOMOEA, Morning Glory

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, or stumps of trees they are invaluable.

Clark's Mammoth Blue. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 3½ inches across and blooms until frost. Pkt. 15c.

Rose Marie. An early flowering variety. Rose-pink, double and semi-double flowers. Pkt. 10c.

Mixed Imperial Japanese. These are beyond question the handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond description. Pkt. 10c.

LANTANA

A Brazilian shrub that makes a splendid display the first season from seed. Above the large somber green leaves Verbena-like clusters of fragrant flowers rise in prolonged succession. In a single cluster all the shades of crimson, rose, yellow, and orange appear.

Mixed Hybrids. Pkt. 10c.

All of our seeds are tested for purity and high germination.

LARKSPUR, Annual

Annual Delphiniums are adorned with finely cut, feathery foliage of soft green which sets off to advantage the handsome long floral spikes of double blossoms. The colors are very satisfying for they range from pure white through soft shades of lavender and pink to deep blue.

GIANT IMPERIAL. Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs for general garden use. Their delphinium-like spikes of double florets are carried on stout stems 4 to 5 feet tall.

White King. Special Mention, All-America Selections, 1937. The flowers are a pure, glistening white, with extremely large double florets, sometimes measuring 2 inches across, evenly spaced on the stem. An early bloomer and the finest of Larkspurs. Pkt. 15c.

Coral King. Coral King was a running mate to White King for All-America recognition. It has the same form and size and is different only in color—a beautiful coral pink. Pkt. 15c.

Blue Bell. Azure blue. Special Mention, All-America Selections, 1934. Pkt. 10c.

Los Angeles Improved. Brilliant pink on salmon. Pkt. 10c.

Finest Mixed. Pkt. 10c.

TALL DOUBLE STOCK FLOWERED. A strikingly tall variety with lateral branches that are quite spreading which produce many fine spikes.

Rosamond. Gold Medal Winner, All-America Selections, 1934. Exceptionally uniform in habit, bearing bright rose flowers that hold their color. Is two weeks earlier than other varieties. Pkt. 10c.

Finest Mixed. Pkt. 10c.

LINARIA, Miniature Snapdragon

This interesting species bears flowers which resemble miniature Snapdragons ending in single elongated spurs. It includes both trailing and erect growing varieties which are little known but worthy of greater attention.

Maroccana Mixed. This is an erect sort with finely cut foliage and with blossoms clustered on upright spikes. The colors which are varied embrace many shades of crimson, orange, and blue. The plant is in flower within two months. Pkt. 10c.

LINUM, Crimson Flax

Grandiflorum rubrum. An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Though the flowers last only one day, new ones appear every morning. Pkt. 10c.

LOBELIA

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes. Height about 6 inches.

Compacta, Crystal Palace. Erect and very free blooming. Best dark blue for edging. Fine for pots. Pkt. 10c.

Sapphire. A superb variety of pendulous habit. It has large deep blue flowers with a white eye, suitable for window boxes and hanging baskets. Pkt. 15c.



ORNAMENTAL GOURDS



ESCHSCHOLTZIA HYBRIDS



HUNNEMANIA SUNLITE

ANNUAL AND PERENNIAL FLOWER SEEDS

LUPINE, Sun Dials

Thrive in almost any situation. Sow where they are to bloom in May, and as plants grow, thin out to 1 foot apart. The annual varieties bloom freely from June until September, and the perennials make a fine addition to the hardy border. **Hartwegii, Annual, Mixed.** 2 feet high. All shades and colors. Gorgeous. Pkt. 10c. **Polyphyllus Perennial, Mixed.** 3 feet high. Long spikes of blossoms in Spring and early Summer. Hardy. Pkt. 10c.

MARIGOLD

Late in the season when many other growing things are past their prime, these plants supply an abundance of decorative blossoms. Their tones of orange and yellow blend well when the flowers are arranged loosely in bowls and vases. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and make ideal edging plants.

Chrysanthemum Marigolds. New introduction. See page 2.

Gigantea Sunset Giants. See inside back cover.

Crown of Gold. See inside front cover.

Royal Scot. See inside back cover.

AFRICAN TALL DOUBLE (*Tagetes erecta*). Very large globular flowers composed of compact tubular or quilled petals. The stems should be cut carefully to avoid the somewhat disagreeable odor when bruised. 2½ feet.

Orange Prince. Rich, deep orange. Pkt. 10c.

Mixed. Pkt. 10c.

GUINEA GOLD (African). Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plant blooms very freely, and practically all of the flowers are double. 2 feet. Pkt. 10c.

YELLOW SUPREME. Gold Medal, All-America Selections, 1935. It is a companion flower to Guinea Gold. The color is a delightful light lemon yellow, flowers medium sized, loosely ruffled or carnation type. Plants are free-blooming, 2 feet tall. Pkt. 10c.

FRENCH (*Tagetes patula*). This Marigold is more floriferous than the African, but bears smaller flowers. As a rule, instead of being quilled the petals are flat and overlapping. They are often two-toned, which adds to their beauty.

Tall Double. These are useful for border decoration and produce handsome cut flowers. Height 2 feet. Mixed shades. Pkt. 10c.

Dwarf Double. These small symmetrically rounded plants have few equals for bedding and edging. They bloom from early summer until frost. Mixed shades. Pkt. 10c.

Dwarf French, Double, Monarch Strain. Award of Merit, All-America Selections, 1934. An excellent variety for low borders. A very compact type, with large double flowers, in a wide range of colors, in combination of orange, bronze, yellow and mahogany. **Finest Mixed.** Pkt. 10c.

Dwarf French Double Harmony. Harmony is in a class with gold medal winners. The flowers are quite different from any other Marigold, Scabiosa-like in formation with tubular deep orange center petals flanked by broad velvety dark maroon-brown guard petals. The plants are dwarf and very early. Pkt. 10c.

FRENCH DWARF SINGLE. This variety is quite similar in habit and usefulness to the dwarf double sorts except that



NASTURTIIUM DOUBLE GLEAM

each blossom has a single row of petals of rich golden yellow, beautifully blotched at the center with a clean edged spot of velvety garnet.

Mixed Shades. Pkt. 10c.

Signata Pumila Little Giant. The smallest of all Marigold plants growing only 6 inches high with large golden yellow flowers. Pkt. 10c.

MARVEL OF PERU (See Four-o'clock)

MIGNONETTE, Reseda

This old-fashioned flower still enjoys the greatest popularity. Grown for its sweet perfume, which is most pronounced when grown in a light sandy soil.

Finest Mixed. Includes only large flowering varieties of sweet scented Mignonette. Pkt. 10c.

MORNING GLORY (See Ipomoea)

MOSS ROSE (See Portulaca)

NASTURTIIUM

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring, they are unexcelled. All they need is a moderately good soil, in a well drained, sunny position and from within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms.

GOLDEN GLEAM (Novelty). This new type is of semi-trailing habit and is a new development in Nasturtiums. The plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet scented, large double flowers are of a golden yellow color and average 2 to 3 inches across. Pkt. 10c.

GLORIOUS GLEAM HYBRIDS. Award of Merit, All-America Selections, 1935. Glorious Gleam Hybrids are delightfully sweet scented, beautifully double. The semi-dwarf plants throw short runners from well rounded free flowering bushes. The color range includes a brilliant blend of salmon, golden yellow, orange scarlet, cerise, cream, orange, maroon and crimson shades, and many spotted varieties. **Finest Mixed.** Pkt. 10c.

DWARF DOUBLE GOLDEN GLOBE. Award of Merit, All-America Selections, 1936. A vivid golden yellow shade makes it identical in color to Golden Gleam. The plants are uniformly dwarf and compact, and bear great quantities of semi-double sweet-scented flowers. Excellent for edging and window boxes. Pkt. 10c.

DWARF DOUBLE GEM MIXTURE. Novelty introduction, 1935. Our Gem Mixture, composed of an evenly balanced range of cheerful colors on dwarf, compact gem-like plants, is the ideal annual for border and edging use. The plants are truly dwarf and compact, totally without runners.

Mixed Colors. Pkt. 10c.

TALL OR CLIMBING NASTURTIIUMS. For covering trellises, fences, arbors, piazzas, trailing from vases, over rock-work, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early Summer until frost. The seed pods can be gathered while green and tender for pickling. Height, 8 to 10 feet.

Finest Mixed. Pkt. 10c.

DWARF OR BEDDING VARIETIES. Of dwarf, compact growth. Excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

Finest Mixed. Pkt. 10c.



MARIGOLD FRENCH DOUBLE HARMONY

ANNUAL AND PERENNIAL FLOWER SEEDS

NICOTIANA, Flowering Tobacco

Stately plants producing large, trumpet shaped blooms from midsummer until frost. Fine for beds and borders. Affinis Hybrids, Mixed Colors. Pkt. 10c.

OENOTHERA (See Evening Primrose)

PAINTED DAISY (See Chrysanthemum, Annual)

PANSY, Heart's Ease

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich coloring.

SWISS GIANT or ROGGLI. Within the last few years the blossoms of this strain have been remarkably improved in every way. The plants are compact in habit and they produce immense circular flowers for a long blooming season. See color illustration, inside back cover. **Finest Mixed.** Pkt. 25c.

STEELE'S MASTODON. A vigorous Oregon type, particularly desirable for cutting as the plants are taller and have longer stems. Esteemed for bedding. A fine blend for bright effects. **Finest Mixed.** Pkt. 25c.

POPULAR BEDDING MIXTURE. These are the popular saucy-faced beauties that everybody loves, comprising the finest varieties in all colors. Pkt. 10c.

PAPAVER (See Poppy)

PENTSTEMON, Beard Tongue

Beautiful perennial plants for the hardy border. **New Hybrids, Mixed.** Produces large spikes. 3 feet. Pkt. 10c.

PETUNIA

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the Spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained, the coarse growing plants frequently reverting to the common types.

Petunia Salmon Supreme. See page 3.

Petunia Topaz Rose. See page 2.

Flaming Velvet. See inside front cover.

LARGE FLOWERED VARIETIES

Burgundy. Special Mention, All-America Selections, 1937. A large flowered, plain edged variety, colored a beautiful velvety burgundy-red in lovely contrast to its inconspicuous white throat. Pkt. 25c.

Dainty Lady. Award of Merit, All-America Selections, 1936. The flowers are medium sized, daintily fringed, delicate light yellow deepening to a golden yellow at the throat. Plants are

compact and upright in habit, semi-dwarf and free flowering. To get a most beautiful effect plant Dainty Lady Elk's Pride. Pkt. 35c.

Rose King Improved. Special Mention, All-America Selections, 1936. Its flowers are a clear rich rose with a delicate light golden throat. Plants grow 18 inches high, are uniform and bushy, literally covered with blooms. This is an excellent cut flower variety. Pkt. 25c.

RUFFLED GIANTS OF CALIFORNIA. Ruffled monsters, a half dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desirable red and dark shades, richly marked **Mixed Colors.** Pkt. 25c. and veined.

DWARF GIANTS OF CALIFORNIA. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats. **Ramona Strain.** Mixed colors. Pkt. 25c.

SINGLE BEDDING PETUNIAS. These Petunias are used extensively for mass plantings. The dwarf varieties are ideal for edgings to taller plants, bedding, borders, and for pot culture, while the spreading varieties lend themselves admirably for large beds, borders, and porch boxes.

Heavenly Blue. (Silver Blue.) Enchanting shade of light silvery blue. Dwarf. Pkt. 15c.

Rosy Morn. Soft rose-carmine-pink with a white throat. Dwarf and close-growing. Pkt. 10c.

Mixed. All colors. A very decorative show may be had by sowing these broadcast. Pkt. 10c.

GRANDIFLORA SINGLE FRINGED. Blooms of truly giant size with exquisitely fringed edges. Start the seed indoors in boxes or pans.

Pride of Portland. Bright rose pink. Pkt. 20c.

Elk's Pride. Very large deep purple. Pkt. 20c.

Mixed Colors. Pkt. 10c.

DWARF COMPACT VARIETIES

Rose Gem. Award of Merit, All-America Selections, 1936. Rose Gem is the best new miniature Petunia. The flowers are a deep rich rose on neat compact plants, 6 inches high. Each flower is 2 inches in diameter. Pkt. 25c.

Martha Washington. A lovely novelty of dwarf, compact growth, 9 inches high, smothered with brilliant blooms about 3 inches in diameter. The frilled portion of the flowers is a charming flesh pink and the center is strongly veined with wine red. Pkt. 25c.

SINGLE BALCONY PETUNIAS. A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across.

Deep Blue. Certificate of Honor, Royal Horticultural Society, 1935. Pkt. 20c.

White. Award of Merit, Royal Horticultural Society, 1935. Pkt. 20c.

Mixed Colors. Pkt. 15c.

DOUBLE VARIETIES. We offer the finest strain of double Petunias and suggest that seed be started indoors in boxes or pans. The small, crumpled seedlings will give the finest flowers.

Choice Mixed Colors. Pkt. 35c.

Triumphant. All Double Mixed. Award of Merit. All-America Selections, 1934. All double giant fringed. Mixed colors. Pkt. 50c.

NEMESIA

This plant is excellent for edging purposes. Plants send up many slender stalks crowned with fairy-like flowers, something like the Schizanthus. When the flowers fade they may be trimmed back and will bloom again. Their colors cover almost everything in the spectrum from the brightest reds, yellows, oranges, to the brightest blues and purples.

Compacta Triumph Finest Mixed Colors. Pkt. 15c.

PHLOX DRUMMONDI

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in Spring.

Grandiflora. Comes in a grand mixture of fine colors as illustrated on the front cover. Pkt. 10c.

Gigantea Art Shades. A new strain of annual Phlox with single florets as large as an inch and one-half in diameter. The colors are soft pastel shades, such as apple blossom pink, salmon, light blue, pale violet, etc. Pkt. 15c.

PHYSALIS FRANCHETI, Chinese Lantern Plant

This hardy biennial plant grows to a height of about 2 feet and is a profuse bloomer, producing many large, striking flowers of a beautiful, brilliant orange red color resembling Chinese lanterns in shape.

Francheti. Pkt. 10c.



PETUNIA DAINTY LADY

ANNUAL AND PERENNIAL FLOWER SEEDS

PIN CUSHION FLOWER (See Scabiosa)

PINKS (See Dianthus)

PORTULACA, Moss Rose

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors.

Double Mixed. Pkt. 10c.

Single Mixed. Pkt. 10c.

POT MARIGOLD (See Calendula)

PYRETHRUM CHRYSANTHEMUM

This plant is cousin to the Chrysanthemum and Matricaria and should play an important part in many a well planned garden.

ROSEUM (Painted Daisy). The plants are erect growing, consisting of upright slender stalks adorned with fern-like leaves and carrying fine terminal blossoms.

Single Mixed. Radiating petals in many tones of rose and red about a golden center. Pkt. 10c.

RED HOT POKER (See Tritoma)

RICINUS, Castor Bean

Magnificent, tall, large-leaved plants of tropical appearance, succeeding in a warm, sunny location. Beautiful for large foliage groups and background.

Mixed Varieties. Pkt. 10c.

RUDBECKIA, Cone Flower

Bicolor Superba. Bright yellow flowers having a brown central disk. Blooms all Summer. Very fine as cut flowers. 2 feet. Pkt. 10c.

SAND VERBENA (See Abronia)

SAGE (See Salvia)

SALPIGLOSSIS, Painted Tongue

For delicate grace, richness of coloring, and velvety texture, the regal Salpiglossis has practically no equal. From a low base of leaves rise slender wiry stalks which bear one or more large Lily-like flowers in a magnificent range of colors.

Superb Mixed. Pkt. 10c.

SALVIA, Flowering Sage

Brilliant flower spikes from late Summer until frost. The "Blues" are as attractive as the "Reds" and valuable as cut flowers.

Bonfire or Clara Redman. Scarlet red. Very erect and globular. 2 feet. Pkt. 10c.

Splendens. Scarlet red. Loosely arranged flowers. 2½ to 3 feet. Pkt. 10c.

Farinacea. Pale blue flowers on long stems. 3 feet. Pkt. 15c.



POPPY, DOUBLE

POPPY

Annual Poppies should be sown as early as possible in the Spring where they are to remain as they do not transplant readily. It is advisable to mix the seed with builders' sand, using about 25 times as much sand as seed, and then carefully broadcast seed on the surface of the ground and firm well. Plants should be thinned out to stand about 6 inches apart for best results. Seed may be sown in rows also and in succession up to the middle of May.

SHIRLEY. Known as the Flanders Field Poppy of the World War. The plants with their deeply cut foliage, slender hairy stems, and silky petaled blossoms, often fluted, present a delicate airy picture as they nod in the slightest breeze. 18 inches.

Single American Legion. This is a dazzling scarlet with white cross at center. The best substitute for the wild Flanders Poppy. Pkt. 10c.

Single Mixed. A superb blend of this beautiful type of Poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red. Pkt. 10c.

Double Pink Shades. This charming sort with its double and semi-double flowers in several shades of pink is of great merit. Pkt. 10c.

TALL SOMNIFERUM. These robust plants are of imposing stature, carrying an abundance of thick wide leaves, and bear large flowers on stout stems. 3 feet.

Double Carnation Flowered Mixed. Perfectly double, globular flowers with fringed petals in many brilliant colors. Pkt. 10c.

NUDICAULE (Iceland Poppy). This hardy Poppy slightly resembles the delicately formed annual Shirley. However, the plants are somewhat different in habit and contain many shades of yellow and orange. 18 inches.

Yellow Wonder. Special Mention, All-America Selections, 1937. This is the tallest, strongest and largest flowered Iceland Poppy. Their showy 4-inch cup-shaped flowers are a rich lemon yellow, with a vivid silky sheen on the broad petals. Plants are strong and free-flowering. Blooms are especially fine for cutting. Pkt. 25c.

Sandford's Mixed Giants. The finest strain of mixed colors in Iceland Poppies. The colors are well balanced. Large flowers grow on strong stems from 2 to 3 feet high. Pkt. 15c.

ORIENTALE. These are the royal members of the Poppy family. They are majestic in all their characteristics, have magnificent foliage, sturdy stems, huge cup-shaped flowers with crinkled petals, and large decorative pods. 2½ feet.

Mixed Hybrids. A splendid collection mostly red, with some white, rose, lavender, orange, and crimson. Pkt. 10c.



SALPIGLOSSIS

ANNUAL AND PERENNIAL FLOWER SEEDS

SWEET PEAS

Giant Summer Flowering Spencer Types

In view of the ever-increasing number of new Sweet Peas, we take pleasure in offering to our customers a select list of thirty-four choice varieties most suitable for general garden use. This list includes twenty-four varieties recommended for garden cultivation by the National Sweet Pea Society of England, plus nine varieties which we have added to round out the color group for American purposes.

Strong vigorous growth of plant; long, stout flower stems and large flowers freely borne, are characteristic of all the varieties.

CULTURE OF SWEET PEAS

Sow as early in the spring as the ground can be prepared in rich, deeply worked soil with good drainage. Cover the seeds about 2 inches deep with fine soil and supply support to the growing vines before they grow too large. Keep well watered during dry periods. One ounce of seed will plant a row about 15 feet long.

All Colors: Pkt. 10c; oz. 25c.

PINK SHADES

Pinkie. Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blooming period. Silver Medal, Scottish National Sweet Pea Trials.

Beauty. This is the largest and most vigorous blush pink Sweet Pea in existence and will displace all other varieties of similar color.

Magnet. Richest, brightest and best cream pink. One of the best exhibition and garden varieties. The flowers are of the largest size. Gold Medal, Scottish National Sweet Pea Trials. Award of Merit, Royal Horticultural Society.

Floradale. A most artistic flower of rich salmon-pink on cream ground. It received the Award of Merit of the National Sweet Pea Society of Great Britain.

Mayfair. The best, largest and richest colored shell-pink on white ground. Very sweetly scented. Award of Merit, National Sweet Pea Society Trials.

Jack Hobbs. Cream-pink, flushed scarlet. One of the largest Sweet Peas ever introduced. Gold Medal. Award of Merit, National Sweet Pea Society Trials.

LAVENDER AND BLUE SHADES

Ambition. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit, National Sweet Pea Society Trials.

Powerscourt. A clear pure lavender. Has been considered the best lavender for a number of years. It is still the most popular. The flowers are very pure in color.

Amethyst. Bright clear amethyst blue with a slight tinge of mauve on the standard. In this Sweet Pea you are being offered something superior.

Gleneagles. A most beautiful tone of light blue with just a suggestion of lavender. The flowers are exceptionally large; the standard broad and well expanded and frilled and waved to an extraordinary degree.

The Admiral. Largest and best navy blue. The color is richer and deeper than Fortune. Award of Merit, Scottish National Sweet Pea Trials. Award of Merit, Royal Horticultural Society.

WHITE AND CREAM SHADES

Sextet Queen. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. Black seeded. Award of Merit, National Sweet Pea Society Trials.

Avalanche. Immense glistening white flowers. The blooms are very frilled. White seeded.

What Joy. Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow.

ORANGE AND SALMON SHADES

Pirate Gold. Golden orange, deeper than Guinea Gold and lighter than Prince of Orange. It withstands hot sun better than any other variety in this color class. Its distinct color is the most pleasing of the golden orange group.

George Shawyer. A giant orange pink, the standard showing more orange than the wings. The flowers are perfectly formed and nicely placed. Award of Merit, National Sweet Pea Society and the Royal Horticultural Society.

Smiles. Clear glistening salmon, best describes this exquisite variety. The large flowers are beautifully waved and fluted. Award of Merit.



CERISE SHADES

Beatall. Pale blush cerise with a suffusion of salmon and rose. A very rich and charming Sweet Pea.

Charming. A bright rosy cerise. This sort carries fine bold flowers that are beautifully waved.

Mrs. A. Searles. Salmon-cerise, merging into a soft oriental-red. A remarkable and distinct color. No collection is complete without this beautiful Sweet Pea.

Flamingo. Orange and scarlet, heavily shaded cerise. Absolutely sunproof. Certificate of Merit and Silver Medal, Scottish National Sweet Pea Society Trials.

RED SHADES

Damask Rose. The brightest rose carmine Sweet Pea. This is an outstanding pea.

Rubicund. Rich crimson scarlet. This is an exceptionally good sweet pea, lacking nothing in size, shape, stems and vigor. Award of Merit, National Sweet Pea Society.

Red Boy. The very best crimson. It is a first class Sweet Pea for all purposes, especially for general garden culture. Award of Merit.

Sybil Henshaw. Glowing blood-red. This has superseded King Edward Spencer as the standard crimson.

Welcome. By far the best and most brilliant, dazzling, scarlet Sweet Pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society Trials.

MAROON AND PURPLE SHADES

Warrior. Rich chocolate maroon. A magnificent variety which has held its place and popularity for a number of years.

Olympia. Deep rich purple of graceful form and immense size. Gold Medal, Scottish National Sweet Pea Trials.

SPECIAL MIXTURE SPENCER SWEET PEAS

This is our special mixture and is a blend of all the most beautiful colors in Spencer Sweet Peas.

Pkt. 10c; oz. 25c; ¼ lb. 60c.

ANNUAL AND PERENNIAL FLOWER SEEDS



VERBENA HYBRIDA GRANDIFLORA

SCABIOSA, Pincushion Flower

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. The various shades are extremely charming. Seeds should be sown any time in the Spring after danger of frost is past.

Rosette. See inside back cover.

Tall Double Mixed. Pkt. 10c.

HARDY PERENNIAL VARIETIES

Caucasica. Giant Hybrids (Isaac House Strain). Fringed and ruffled, shades of blue from lavender to dark blue; very large flowers. Pkt. 25c.

SCHIZANTHUS, Butterfly Flower

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of Orchids. Also useful as pot plants for late Winter and Spring blooming; for this purpose sow in Autumn.

Butterfly Mixture. Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches. Pkt. 10c.

SHASTA DAISY, Chrysanthemum Leucanthemum

It is a hardy plant bearing large white, single blooms with handsome yellow centers. They are valuable for border decoration and especially pleasing in bouquets.

Alaska. Pure white, extra large flowers. Excellent for cutting. Perennial. 2 feet. Pkt. 15c.

SNAPDRAGON (See Antirrhinum)

STATICE, Sea Lavender

Splendid plants, either for the border or rockery, producing all Summer, panicles of small flowers, which can be dried and used for Winter bouquets. 2 feet.

Mixed Colors. Pkt. 10c.

STRAWFLOWER (See Helichrysum)

SUNFLOWER (See Helianthus)

SWEET SULTAN (See Centaurea)

SWEET WILLIAM, Dianthus Barbatus

A well known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers.

Newport Pink. Watermelon pink or salmony rose color. Very beautiful. Pkt. 10c.

Scarlet Beauty. Rich, deep scarlet. A rare color in hardy plants and very effective. Pkt. 10c.

Single Varieties, Mixed. Pkt. 10c.

Double Varieties, Mixed. Pkt. 10c.



GIANT IMPERIAL STOCKS

STOCKS, Gilliflower

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials, but if sown in early Spring will bloom the same year. They are also valuable for Winter forcing.

Imperial Blush Pink. See page 3.

BEAUTY OF NICE. It follows the Ten Weeks class in season of bloom. The plants are pyramidal in shape, branching above the base. This sort is excellent for bedding and for cutting. 16 inches.

Finest Mixed Colors. Pkt. 10c.

DWARF TEN WEEKS. This early class forms dwarf compact plants that are excellent for edgings or low beds. They often do well in sections where plants of the later types cannot be grown. 12 inches.

Finest Mixed Colors. Pkt. 10c.

GIANT IMPERIAL. Long stems and imposing spikes of large flowers make this the outstanding variety. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is somewhat less spreading and considerably taller. 2 feet.

Yellow (Buttercup). Pkt. 10c.

Blood Red. Pkt. 10c.

Rose. Pkt. 10c.

Lavender. Pkt. 10c.

White. Pkt. 10c.

Finest Mixed Colors. Pkt. 10c.

THUNBERGIA, Black-Eyed Susan

Beautiful, rapid-growing annual climber, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. 4 feet.

Mixed Colors. Pkt. 10c.

TRITOMA, Red Hot Poker

A perennial, not strictly hardy, but will live through the Winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over Winter in sand in a cellar.

Mixed Hybrids. Pkt. 15c.

VALERIANA, Garden Heliotrope

Hardy perennial. Pinnate foliage and panicles of flowers with odor of heliotrope. 5 feet. June and July.

Mixed Colors. Pkt. 10c.

VERONICA, Speedwell

An elegant hardy perennial plant of easy culture and free flowering habit. Of value as a cut flower or for the garden.

Spicata. Bright blue flowers. 18 inches. Pkt. 10c.

ANNUAL AND PERENNIAL FLOWER SEEDS



ZINNIA SCABIOUS FLOWERED

VERBENA

One of the most popular garden annuals for beds and massing and for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost.

Verbena Hybrida Grandiflora Crimson Glow. The flowers are pure, self-colored, glowing crimson, wholly without even a small light eye. The individual florets are of good size, although as is characteristic of the reds in Verbena, they are not as large as some other colors, such as pink and lavender. Crimson Glow is one of the most vivid Verbena colors, and will occupy a prominent place in next season's gardens. Pkt. 15c.

Floradale Beauty. Special Mention, All-America Selections, 1937. Floradale Beauty Verbena is a giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptional brightness. Individual florets are of perfect form, fully rounded, and average $1\frac{1}{4}$ inches across; they make up into heads or trusses which measure 4 to 5 inches across. Plants are very free flowering and grow about $2\frac{1}{2}$ feet across. Pkt. 25c.

Hybrid Grandiflora Giant, Mixed Shades. Pkt. 15c.

VIRGINIAN STOCKS, French Forget-me-nots

Small red, rose and white flowers about $\frac{3}{4}$ in. across. Fine for edgings. For continuous display until fall, several successive sowings should be made about two weeks apart. 6 to 8 in. Mixed Colors. Pkt. 10c.

WALLFLOWER

These half-hardy perennial and annual Wallflowers are grown for early Spring bedding and for their delightful fragrance. Perennial sorts should be sown in Autumn and carried over in coldframe. Annual sorts may be sown outdoors in March and will flower the first year from seed.

Annual Varieties, Mixed Colors. Pkt. 10c.

Perennial Varieties, Mixed Colors. Pkt. 10c.

ZINNIA

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the Summer and continue until frost.

DOUBLE DAHLIA FLOWERED. $2\frac{1}{2}$ feet. Enormous double flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance.

Crimson Monarch. Deep crimson, large flowers. Pkt. 10c.

Golden Dawn. Golden yellow. Pkt. 10c.

Dream. Deep rosy lavender. Pkt. 10c.

Exquisite. Light rose, deep rose center. Pkt. 10c.

Oriole. Orange and gold bicolor. Pkt. 10c.

Scarlet Flame. Bright scarlet. Pkt. 10c.

Polar Bear. White. Pkt. 10c.

Mixed. Pkt. 10c.



ZINNIA, BODGER'S CROWN O'GOLD

COVER COLLECTION

GIANT FLOWERED ZINNIAS

(Illustrated on Front Cover)

We offer you a distinctly improved strain of mammoth flowered zinnias in a mixture of the finer colors. Pastel shades predominate our mixture with a sprinkling of the denser color-shades to form a beautiful display in the garden or as cut flowers in the home. Our Giant Flowered Zinnias are taller than the Dahlia Flowered type, being 3 to 4 feet, with long stems which adapt it particularly for use as a cut flower. The flowers are well formed and well poised on graceful stems.

Mixed Packet 15c

CROWN O' GOLD. This is the aristocrat of all Zinnias. The plants are almost as large as the California Giants. Each petal of the flower is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip.

Desert Gold. Light and deep shades of gold overlaid with golden yellow. A distinct novelty. Pkt. 15c.

Mixed Shades, including old rose, cream, yellow, red, pink and lavender. Pkt. 10c.

SCABIOUS FLOWERED. Among the oddest and most attractive Zinnia forms, bearing a remarkable resemblance to the annual Scabiosa. The plants are extremely free flowering, 2 to $2\frac{1}{2}$ feet high, giving a wealth of bloom throughout the summer. While the color range includes all popular shades, it is particularly rich in shades of crimson, scarlet, orange, yellow and pink.

Mixed Colors. Pkt. 15c.

DOUBLE LILLIPUT. 12 inches. A charming dwarf which is excellent for low borders or edgings. The plants are of tidy habit and produce a bounteous supply of very double pompon flowers about $1\frac{1}{2}$ inches across. The colors are bright and well varied.

Mixed. Pkt. 10c.

Tom Thumb. These tiny flowered Zinnias have a charm the larger ones can never attain, and make a brilliant display. They come in attractive color combinations, red tipped gold, salmon and gold, primrose yellow with a hundred unusual intermediate shades.

All Colors Mixed. Pkt. 10c.

HAAGEANA DOUBLE (Mexican Hybrids). The small flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls.

Finest Mixed. Pkt. 10c.

FIELD, FARM, GRASS AND CLOVER SEEDS

Quantity per Acre

Alfalfa	15 to 20 lbs.
Barley	100 lbs.
Buckwheat.....	drills, 35 lbs.; broadcast, 50 lbs.
Cheat	75 to 100 lbs.
Clover—Alsike and White.....	6 to 8 lbs.
White ¹ for Lawn.....	1 lb. to 250 sq. ft.
Crimson	15 to 20 lbs.
Red	10 to 12 lbs.
Sweet	15 to 20 lbs.
Corn, Field—Hills	10 to 12 lbs.
Flax	35 to 45 lbs.
Grass, Kentucky Blue—Pasture	20 to 30 lbs.
Kentucky Blue—for Lawns	1 lb. to 250 sq. ft.
Mixed Lawn	1 lb. to 250 sq. ft.
Red Top—Hulled, solid seed	8 to 10 lbs.
Orchard	25 to 30 lbs.
Brome Grass	20 to 30 lbs.
Rye Grass—for Pasture	20 to 30 lbs.
Rye Grass—for Lawn	100 lbs.
Sudan—Broadcast	16 to 20 lbs.
Drilled	15 lbs.
Kaffir Corn—Drills	6 to 10 lbs.
Millet	20 to 30 lbs.
Oats—for Seed	100 lbs.
For Hay	100 lbs.
Potatoes—60 lbs. per bushel.....	12 to 15 bu.
Peas, Field.....	100 lbs., or 80 lbs. with 35 lbs. oats
Rape	drill, 3 lbs.; broadcast, 5 lbs.
Rye—for Grain	60 to 75 lbs.
For turning under	100 lbs.
Speltz or Emmer	80 lbs.
Sugar Cane	10 to 12 lbs.
Sunflower	5 to 7 lbs.
Timothy	10 to 12 lbs.
Vetches.....	80 lbs., or 50 lbs. with 50 lbs. oats
Vetch, Hairy or Sand.....	30 lbs.
Wheat	90 to 100 lbs.

PLANTING TABLE FOR VEGETABLES

Species	Seed required for 50 ft. of row	Seed required to sow an acre	Distance between rows inches	Distance apart in row inches	Depth of planting inches
Artichoke, Globe	¼ oz.	6 to 8 oz.	40 to 48	18 to 24	1
Asparagus	½ oz.	4 lbs.	14 to 24	3 to 6	1
Beans, Bush	½ lb.	50 to 60 lbs.	24 to 30	2 to 3	1½ to 2
Beans, Lima	½ lb.	30 to 50 lbs.	24 to 36	3 to 6	1½ to 2
Beans, Pole	½ lb.	30 to 35 lbs.	36 to 48	6 to 8	1½ to 2
Beet	½ oz.	8 to 14 lbs.	14 to 24	3 to 4	½ to 1
Beet, Mangel and Sugar..	½ oz.	6 to 10 lbs.	18 to 24	6 to 9	½ to 1
Swiss Chard	½ oz.	6 to 10 lbs.	18 to 24	10 to 12	1
Broccoli	¼ oz.	4 oz.	20 to 36	16 to 22	½ to 1
Brussels Sprouts	¼ oz.	4 oz.	20 to 36	16 to 22	½ to ¾
Cabbage	¼ oz.	4 oz.	18 to 36	14 to 24	½
Cardoon	½ oz.	5 oz.	20 to 32	20 to 30	½ to 1
Carrot	¼ oz.	3 to 4 lbs.	16 to 24	1 to 3	½
Cauliflower	¼ oz.	4 oz.	24 to 30	20 to 24	½
Celery	¼ oz.	4 oz.	24 to 40	4 to 6	¼
Chicory	½ oz.	4 to 5 lbs.	20 to 36	2 to 3	½ to 1
Collard	¼ oz.	5 oz.	24 to 30	14 to 18	½
Corn, Pop	3 oz.	6 to 8 lbs.	34 to 40	6 to 8	1
Corn, Sweet	4 oz.	10 to 14 lbs.	30 to 42	9 to 12	1
Corn Salad	2 oz.	10 to 12 lbs.	14 to 18	3 to 4	¾
Cress	1 oz.	10 lbs.	12 to 18	2 to 4	½
Cucumber	½ oz.	3 to 4 lbs.	48 to 60	12 to 36	½ to ¾
Dandelion	¼ oz.	5 to 6 lbs.	18 to 22	6 to 10	½
Dill	½ oz.	5 lbs.	20 to 36	4 to 6	½
Egg Plant	½ oz.	5 to 6 oz.	24 to 36	18 to 24	½
Endive	½ oz.	4 to 5 lbs.	18 to 24	8 to 12	½
Fennel	½ oz.	3 to 4 lbs.	24 to 32	5 to 8	¾
Kale	½ oz.	4 to 5 lbs.	24 to 32	14 to 22	½
Kohl Rabi	¼ oz.	4 to 5 lbs.	14 to 24	4 to 6	½
Leek	¼ oz.	4 lbs.	14 to 36	2 to 3	¾
Lettuce	¼ oz.	3 lbs.	12 to 18	4 to 12	¼
Mellon, Musk	½ oz.	3 to 4 lbs.	70 to 80	36 to 60	¾
Melon, Water	½ oz.	3 to 4 lbs.	72 to 96	72 to 96	¾
Mustard	¼ oz.	4 lbs.	14 to 24	6 to 9	½
Okra	1 oz.	8 to 10 lbs.	24 to 40	18 to 24	1
Onion	¼ oz.	3 to 4 lbs.	18 to 24	3 to 4	¾
Onion (for sets).....		60 to 85 lbs.	12 to 14	Not thinned	¾
Parsnip	½ oz.	3 to 4 lbs.	18 to 24	3 to 4	½
Parsley	¼ oz.	3 to 4 lbs.	12 to 20	6 to 8	½
Peas	¾ lb.	90 to 180 lbs.	24 to 36	1 to 2	1 to 2
Pepper	½ oz.	1 to 2 lbs.	20 to 30	18 to 20	½
Potatoes	8 lbs.	800-1000	24 to 36	18 to 24	6
Pumpkin	2 oz.	3 to 4 lbs.	96 to 110	60 to 84	¾
Radish	½ oz.	10 to 12 lbs.	12 to 18	1 to 2	½
Rhubarb	½ oz.	3 lbs.	24 to 42	20 to 24	¾
Rutabaga	½ oz.	2 to 4 lbs.	18 to 24	4 to 7	½
Sage	½ oz.	4 to 5 lbs.	20 to 24	6 to 10	½
Salsify	¾ oz.	7 to 8 lbs.	18 to 24	2 to 3	¾
Sorrel	½ oz.	4 to 5 lbs.	12 to 22	2 to 3	½
Spinach	¾ oz.	10 to 20 lbs.	14 to 18	3 to 5	¾
Squash, Bush	1 oz.	4 to 6 lbs.	42 to 48	42 to 48	1
Squash, Vining	1 oz.	4 lbs.	72 to 90	60 to 90	1
Sunflower	1 oz.	7 to 8 lbs.	48 to 70	10 to 12	1
Tomato		2 oz.	40 to 60	36 to 40	½
Tobacco		2 oz.	36 to 48	24 to 36	½
Turnip	½ oz.	2 to 3 lbs.	12 to 20	2 to 4	½

NUMBER OF TREES OR PLANTS ON AN ACRE

1 by 2 feet.....	21,780	6 by 8 feet.....	907
1 by 3 feet.....	14,520	6 by 6 feet.....	1,210
1 by 4 feet.....	10,890	8 by 8 feet.....	680
1½ by 2 feet.....	14,520	10 by 10 feet.....	430
1½ by 3 feet.....	9,680	12 by 12 feet.....	802
2 by 3 feet.....	7,260	15 by 15 feet.....	193
2 by 4 feet.....	5,445	16 by 16 feet.....	170
3 by 4 feet.....	3,630	18 by 18 feet.....	135
3 by 5 feet.....	2,904	20 by 20 feet.....	109
3 by 6 feet.....	2,420	25 by 25 feet.....	70
4 by 4 feet.....	2,722	30 by 30 feet.....	48
4 by 6 feet.....	1,815	40 by 40 feet.....	27

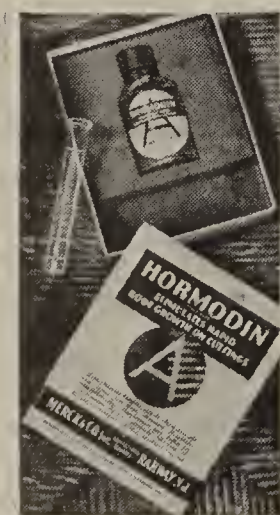
RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants to the acre.

HORMODIN

"A"

*A New Root
Inducing
Chemical*

Postpaid, \$1.10



Hormodin stimulates rapid root growth on leafy cuttings. Especially valuable for propagating all plants by cuttings. Saves space, time and money.

The treatment is simple and no special equipment is needed. Hormodin comes in liquid form and is applied as a dilute, water solution. The cost is only a fraction of a cent per cutting.

Complete directions and calibrated measuring glass make it easy to prepare correct solution for each variety of cutting.



TUBEROUS ROOTED BEGONIA

TUBEROUS ROOTED BEGONIAS

Plant Begonias in the partially shaded spot in your garden. They will give you no end of pleasure from bloom from mid-summer until frost. We will gladly send you cultural instructions. Begonias are easy to grow with knowledge of just a few of the essentials of culture. Few flowers present the beauty of form and color possessed by Tuberous Begonias. By all means plant them in your garden. We can supply the following varieties for 30c each, 4 for \$1.00, postpaid. Giant size tubers.

Giant Single. A truly beautiful single Begonia of deep yellow color.

Giant Camelia Double. A beautiful shade of deep pink, an exquisitely formed flower, large, not too compact, resembles a Camelia in form.

Giant Fimbriata. This is the Carnation type. Flesh pink and white blended to present a most lovely combination.

Giant Orange Frilled. Probably one of the most colorful and outstanding Begonias. Burnt orange color, tinged yellow with distinctly frilled edges.

TIGRIDIA (Tigerflower)

Tigridia Pavonia Grandiflora. A very splendid flower. One of the most showy of garden plants. The curious three-petaled flowers are very large and are wonderfully marked and spotted. Plant 2 inches deep and 4 to 6 inches apart in shade or half shade. **Four bulbs, 50c; \$1.50 per dozen, postpaid.**

Gladiolus FOR Summer Gardens



6 for 25c, doz. 45c.

Bagdad. Smoky old rose somewhat darker toward the edge and lighter in the throat. It is practically a smoky self color.

Dr. F. E. Bennett (D). The popular, well known fiery red. One of the most brilliant scarlets grown. Fine large flower.

Picardy (Palmer). Color, soft apricot pink with a silvery sheen, feathering of slightly deeper color in the throat. The individual florets are extremely large, slightly ruffled and of a heavy waxlike substance.

Betty Nuthall (Sal.) A glowing orange pink, with a light yellow throat, and a light feathering of carmine. The florets are often 6 inches across and are of splendid substance and placement.

Golden Dream (Groff). One of the best deep yellows. Very tall growing spike, with six or seven blooms open.

Giant Nymph. Lovely light rose-pink suffused with creamy yellow in the throat. Giant flowers.

Marmora (Errey). Beautiful lavender gray. Giant spikes with seven or eight enormous sized blooms open at one time. All perfectly placed.

Mrs. P. W. Sisson (Coleman). Creamy light pink. Tall, strong grower. Six or more large blooms open at a time. Outstanding variety.

Pfitzer's Triumph (Pf.) Blooms have a diameter of 6 inches or more and are of a bright salmon orange with velvet red blotch. A sensation wherever exhibited.

4 for 25c, doz. 65c.

Ave Maria (Pf.) Large flowering. Light blue with small purple blotches. Excellent facing and remarkably good spike.

Mother Machree (Stevens). Vinaceous lavender overlaid toward the edges of the petals with a sort of salmon pink. Color is difficult to describe but it is very beautiful. This is called a smoky but is really much different from the ordinary smokies.

Debonair. LaFrance pink shading to shrimp pink with a creamy throat blotch lightly peppered crimson.

Albatross (Pf.) Unquestionably the clearest white gladiolus ever introduced. Grows 5 ft. tall. Has good substance and opens five or six large blooms at a time.

Commander Koehl (Pf.) Large dark scarlet red, without markings or blotches. Individual florets 6½ inches across, of which there are six or seven open at a time.

Minuet (Coleman). Wonderful clear lavender. A lavender by which all others are judged. Six or seven wide open florets open at a time. Arranged perfectly on straight spike.

Pelegrina. The large deep blue flowers have a strong appeal due to their color and fine arrangement of the florets.

3 for 25c, doz. 80c.

Golden Chimes. A compact, slightly ruffled light yellow of good size and clear color. A favorite that should be in every garden.

Red Lory. Carmine rose with large purplish red blotches. Large flowers and nearly the whole spike opens at once.

Wasaga. A beautiful clear glowing buff with wide open ruffled blooms. No markings of any kind.

Wurtembergia. Immense fiery scarlet with cream white throat. Spikes very tall and always straight. The most brilliant red.

Gate of Heaven. Beautiful deep yellow with greenish yellow buds. Medium height. A delightful glad. 15c each.

Moorish King (Pf.) Extremely large and the most beautiful deep velvety red individual flower ever seen in this color. Flowers are unusually well placed. Blooms late. 15c each.

Paradise. Apricot with a narrow line of scarlet in the throat. Nearly a self-color somewhat ruffled. Very early. 20c each.

Star of Bethlehem. Very large cream white with six to eight well placed blooms open. This is the best exhibition white on the market. 25c each.

TIP-TOP GLAD MIXTURE

In this mixture we give you only the choicest of varieties at a price that will permit of volume buying. We assure you an assortment of the latest sorts and finest colors. **Prices, postpaid, 35c doz., \$2.75 per 100.**



VEGETABLE SEEDS

DWARF OR BUSH BEANS

One pound will plant a row 100 feet long;
about 1¼ bushels to the acre

How to Grow Dwarf or Bush Beans. Make the rows 18 inches or 2 feet apart, and drop the beans 4 inches apart in the row. If the soil is warm and loose, plant 2 inches deep; if rather cold and wet, plant only one inch deep. Beans, especially the yellow-podded varieties, will rot very easily if planted when the soil is wet and the atmosphere is cold. If you do not want to run the risk of replanting them, do not plant your beans until the soil is warm. Cultivate often but never when the plants are wet, as this brings on rust. Pick the beans as fast as they become fit to use; this makes them bear longer. Special Prices to market gardeners. Send your list to us for prices.

Green Podded Varieties

Prices postpaid: Pkt. 10c; ½ lb. 20c; 1 lb. 35c.
Unless Otherwise Noted.

Monarch Giant Stringless Green Pod. Matures in 53 days. One of the best for home and market garden; very desirable for canning. Plant large, hardy, heavily productive. Pods medium green, 6 to 6½ inches long; ⅜ to 7/16 inch thick, round; very fleshy, brittle and stringless. Seeds glossy yellowish-brown. A successor to Stringless Green Pod. Pkt. 15c; ½ lb. 25c; lb. 40c.

Monarch Improved Stringless Green-Pod. Matures in 48 days. High quality for home and market garden. One of the favorites through the years. Splendid as a canning variety or for snap beans. Plant large, thrifty, heavily productive. Pods medium green; 5½ inches long, almost ½ inch wide and equally thick; very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown. Pods similar to Giant Stringless Green Pod but a trifle shorter and thicker.

Stringless Refugee. Matures in 70 days. Excellent for canning. Young pods particularly valuable for canning and pickling whole. Plant very hardy; extremely productive. Pods medium green, very uniform, 5 to 5½ inches long, round; absolutely stringless, very fleshy, brittle and fine grained. Don't confuse with Refugee or 1,000 to 1 as this variety is stringless.

Navy Beans. Matures in 90 days. This is the favored dry bean for baking and for soups. Very small, seed pure white, vines thrifty and very productive.

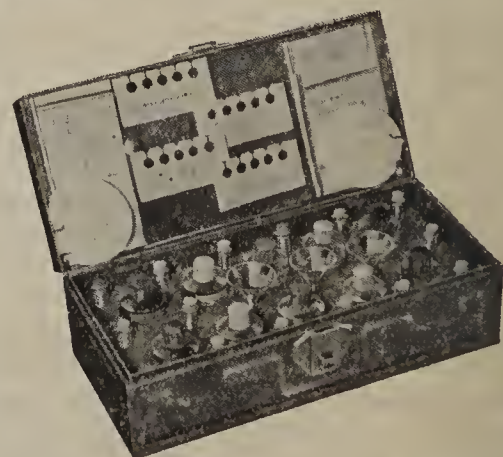
Wax or Yellow Podded

Monarch Davis White Wax. Matures in 52 days. Well adapted for shipping. Plant large and thrifty and productive. Pods attractive yellow; 6 inches long, straight, ½ inch wide, thick, oval; fleshy and tender when young but become somewhat fibrous and stringy. An excellent dry bean for baking or soups.

Golden Wax. Matures in 48 days. A splendid home garden variety; also much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4½ to 5 inches long; ½ inch wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet-carmine and purple.

The Sudbury Horticultural Soil Test Kit . . . \$9.75

The Sudbury Horticultural Soil Test Kit makes instantly available the essential information you require for gardening success. With it you can make quick practical tests which will show the acidity of your soil and any possible deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to the requirements of your plants and grasses. Sudbury Soil Test Kits are used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. The Sudbury Horticultural Kit, complete with instructions and table of plant needs, \$9.75.



TESTING FLUID for Refill—Specify whether for nitrogen, phosphorus, potash or acidity. 2 oz. 75c; 6 oz. \$1.50.

VEGETABLE SEEDS

POLE OR RUNNING VARIETIES

Prices postpaid, Pkt. 10c; ½ lb. 20c; lb. 35c, unless otherwise noted.

Culture. One pound will plant 50 hills, 30 pounds per acre. The soil should be mellow, rich and warm. Lay the ground out in hills 4 feet apart each way, and set poles 8 to 10 feet long firmly in the hills before planting the seed. Plant 5 or 6 beans in a hill and cover about 2 inches deep; leave three plants at each pole, and when a few inches high draw a little earth around them as support. Set the poles before the plants have grown to large size; many gardeners consider it an advantage to set the poles when planting, thus avoiding disturbing the small plant or its roots.

Monarch White Creaseback or Blue Lake Bean. Matures in 62 days. A splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ inches long, ½ inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking. Because of the near-stringless character of this variety it is preferred by many to Kentucky Wonder. Pkt. 15c; ½ lb. 25c; lb. 40c.

Monarch Kentucky Wonder Wax. Matures in 67 days. Good climber, very productive. Pods waxy yellow; 8 inches long, ⅝ inch wide, almost as thick as wide; practically stringless, fleshy, brittle, tender. Seeds chocolate brown. Prices at top of this page.

Kentucky Wonder (Old Homestead). Matures in 65 days. Unexcelled for home garden and for market. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 inches long, nearly round and ½ inch in diameter; slightly stringy, very fleshy, brittle, tender. Prices at top of page.

Scarlet Runner. Matures about same as Linas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 inches long, flat oval; fleshy; desirable for snaps and green shell beans. Very attractive as porch or arbor cover. Pkt. 10c; ½ lb. 25c; lb. 45c.

London Horticultural (Speckled Cranberry). Ready for snaps in 65 days; green shell beans in 74 days. Splendid for home and market garden. Good climber, thrifty, heavily productive. Pods green, becoming splashed with carmine at green shell stage; 7 inches long, wide, thick, straight, stringless. Prices at top of page.



HOT-KAPS make for an earlier garden. Protect your tender plants from frost. See page 32.

LIMA BEANS

Prices postpaid: Pkt. 10c; ½ lb. 25c; lb. 40c.

King of the Garden Lima. Matures in 88 days. Climber, heavily productive. Pods 6 inches long, 1¼ inches wide, ⅜ inch thick, usually with 4 or 5 beans. Seeds large, thick, flat, white. An improved strain of large White Lima. Prices at top of this page.

Burpee's Bush Lima. Matures in 75 days. Plant large, heavily productive. Pods large, 4½ to 5 inches long, 1¼ inches wide, ⅜ inch thick; usually contain 4 large, thick beans. Dry beans large, flat, greenish-white. Prices at top of this page.

Small White Lima. Matures in 78 days. Heavy yielder. Pods 3½ inches long, ⅞ inch wide, ¼ inch thick, with 3 or 4 seeds. Green shell beans small, flat, of splendid quality. This is similar to the Baby Lima, except it is a climber. Prices at top of page.



BEETS

Special prices to market gardeners. Send your list to us for prices



Culture. Well enriched, light soil is best adapted for the culture of beets. Sow in drills 1 foot apart and cover half inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. Use thinnings for greens if desired. For early crop, sow as soon as the ground can be worked, and continue for succession until the first of July. Liberal manuring should be done for Mangels and Sugar Beets. They should stand 10 to 12 inches apart in the rows.

Morse's Good For All. Matures in 52 to 55 days. An excellent new variety developed from Detroit Dark Red. Especially fine for canning and pickling whole at 1¼ to 1½ inches in diameter. Roots smooth, even in size and shape, and almost perfectly globular; collar and tap-roots very small; interior deep crimson, free from white zones. If you know the superior excellence of Detroit Dark Red, you will need little introduction to this "baby" strain of the same beet. Unusual evenness of size and shape and almost perfect roundness when small make it the best variety yet for canning or pickling whole. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Monarch Detroit Dark Red. Matures in 52 to 55 days. The standard of excellence in table beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap-root; very dark, blood-red. Interior very uniform in color, the zones so inconspicuous that the flesh seems to be one solid ball of deep blood-red meat; remains tender and of highest quality until roots are full grown. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Swiss Chard (Sca Kale). Large Ribbed White. The leaves are broad, somewhat waved but smooth, and of a medium light yellowish-green. The stalks are broad and flattened, but tender and succulent. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

MANGEL-WURZELS

Golden Tankard. Matures in 95 days. One of the best known and most largely grown yellow mangel, and especially recommended for the dairyman on account of its milk producing properties and the richer quality of the milk. Flesh firm, golden yellow. Can be grown closer than most varieties. Grows well above ground and easily pulled. Yields well on light soils. Oz. 10c; ½ lb. 35c; lb. 60c.

Giant Half-Sugar Mangel. Matures in about 90 days. Roots long oval, tapered; grayish-white with rose-colored shoulder; flesh white, rich in sugar. One of the heaviest croppers. Oz. 10c; ½ lb. 35c; lb. 60c.

Mammoth Long Red. The largest of the mangels and the heaviest cropper. Skin red, flesh white, zoned red. Roots very large, spindle shape, straight and thick. Grow 1/3 to ½ out of ground. Oz. 10c; ½ lb. 35c; lb. 60c.

VEGETABLE SEEDS

CAULIFLOWER



Culture. Cauliflower succeeds well in any soil that will grow good cabbage, but prefers a well enriched soil of loamy character. Sow seed early in February and March in hotbed, transplanting later to cold frame and thence to open ground.

Early Snowball. This is the most popular for home garden and market. Produces a good crop and a sure header. Pkt. 15c; ¼ oz. 65c; oz. \$2.00.

CABBAGE

Culture. The earliest cabbage may be enjoyed in May from seeds sown in the house or hot-bed. Early Jersey Wakefield matures in 62 days, and later varieties in 90 to 105 days. Both early and mid-season varieties should be started in house or hot-bed, and for late or fall varieties sow the seed in the seed bed in June and early July. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate soda or sulphate of ammonia or some other nitrogenous fertilizer will work wonders. Cabbage worms may be kept off by dusting with our Pestroy dust or spraying with arsenate of lead.

First Early Sorts

Monarch Copenhagen Market (Special Strain). Matures in 66 days. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm; become 6 to 7 inches in diameter; weight 3½ to 4 pounds. Interior clear white and of excellent quality. Pkt. 10c; oz. 30c; 2 ozs. 55c; ¼ lb. \$1.00.

Early Jersey Wakefield. Matures in 62 days. Extremely early variety very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem is short. Heads firm and conical, usually 7 inches long, 5 inches thick near base; weight 2 to 2¼ pounds. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.

Early Dwarf Flat Dutch. Matures in 71 days. Excellent for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep and weigh 4½ to 5 pounds; firm and of high quality. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.



Golden Acre Cabbage. Matures in 60 to 64 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weight 3 pounds. This is similar to Copenhagen Market but is several days earlier, and the heads are smaller. It is as early as Early Jersey Wakefield. Because of the absence of large surplus outerleaves, Golden Acre can be planted closer in the row and the rows nearer, meaning more heads per acre. Pkt. 10c; oz. 40c; 2 oz. 70c; ¼ lb. \$1.25.

Late Sorts

Danish Ballhead or Hollander (short stemmed strain). Matures in 90 to 100 days. The best late cabbage. Plants are medium sized with short stem. Heads large; flattened globe-shape; become 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid, of excellent quality, and keep perfectly in storage until late spring. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.

Giant Late Flat Dutch. Matures in 105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep; and weigh 12 to 14 pounds or more; firm and of good quality. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.



BRUSSELS SPROUTS

Dwarf Improved. A carefully grown strain; very hardy and giving compact, round sprouts of large size and good quality. Pkt. 10c; oz. \$1.00.

BROCCOLI

Culture. Plant in open ground in May and June, transplanting later when plants are of sufficient strength and size to place in field. Culture same as for Cabbage or Cauliflower.

St. Valentines. Fine quality, immense header; ready for market early. Heads remain in good condition longer than most varieties. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.00.

CARROTS

Special prices to market gardeners. Send your list to us for quotations.

Culture. Carrot seed can be sown early and late in Southern Oregon. As soon as the ground can be worked in February carrots may be sown. They like a well cultivated and loamy soil. Use fertilizer liberally. Sow in rows (table varieties) 16 to 18 inches apart, and for field culture sow in drills 18 to 24 inches apart. Cover one-half to an inch deep and firm soil well over seed.

Morse's Red Cored Chantenay. Matures in 70 days. Distinctly improved over the original Chantenay. You'll marvel at its uniformity and appealing color. The deep orange-red color and smooth symmetrical shape are combined with just the right size to make it irresistibly appetizing. Its beauty is not merely skin deep; it goes clear through to the very center. Roots 5½ to 6 inches long, 2¼ inches thick at the shoulder, tapered, stumprooted; flesh and core reddish-orange, fine grained and tender; of sweet, delicate flavor. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.00.

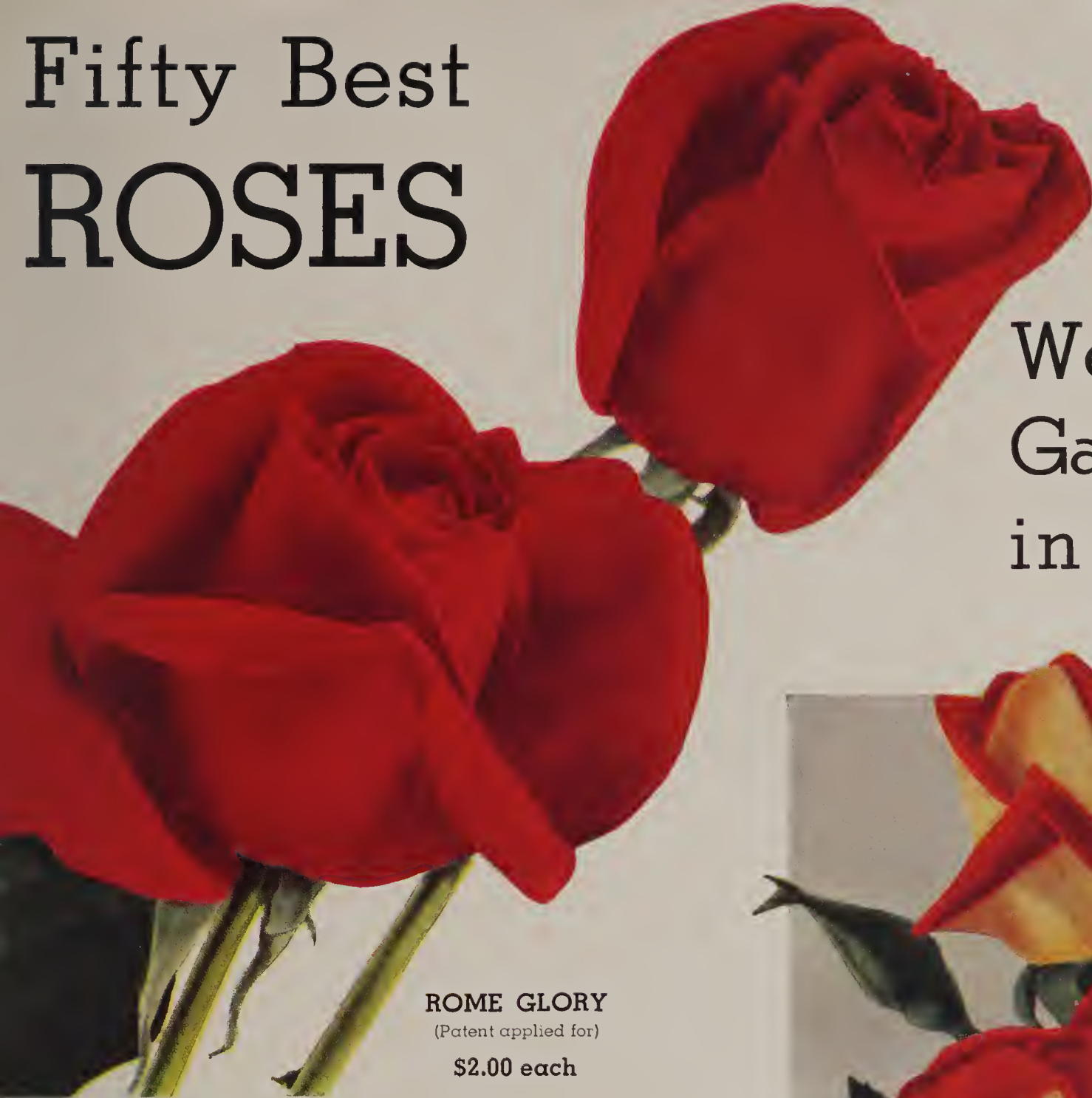
Monarch Corless Carrot. Matures in 68 days. One of the best for home garden and early market. Tops small. Roots bright orange; 6 to 7 inches long, 1¼ inches thick; cylindrical; stumprooted. Flesh bright orange, of highest quality; core inconspicuous. Undoubtedly one of the best carrots grown. Not a tapering variety. Fine for bunching. Pkt. 10c; oz. 20c; lb. \$1.00.

Danvers Half-Long. Matures in 75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6 to 7 inches long, thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.00.

Large White Belgian. Extensively grown for stock. Grows above ground. Oz. 15c; ¼ lb. 35c; lb. \$1.00.

Fifty Best ROSES

for
Western
Gardens
in 1938



ROME GLORY

(Patent applied for)

\$2.00 each

RONSARD

(Patent applied for)

\$1.50 each

GLOAMING

(Plant Patent No. 137)

\$1.25 each



NOTE: Order early. Plant early. For best success and assured, first-season bloom we urge early planting. And too . . . because of an anticipated heavy demand for roses, our stocks may become depleted on many of the newer varieties. For that reason we urge early orders.

ALL ROSES ARE POSTAGE PAID



President Hoover



Mrs. P. S. duPont



Mrs. Sam McGredy

STANDARD BUSH ROSES

•
Two Year Old
Field Grown

•
60c each
3 for \$1.50

Postpaid



Etoile de Hollande

BICOLOR

AUTUMN. (H. T.) A distinct color of intense richness. This rose incorporates shades of burnt orange suffused with russet-brown and bronzy red all overlaid on a background of rich yellow. A color combination reminiscent of the most glorious autumnal foliage.

GAITY. (H. T.) A very lovely, symmetrical, medium sized flower of orange, Indian red, and silver. Large, long pointed bud. A most handsome and vigorous plant. Continuous bloomer. Fragrant.

PRES. H. HOOVER. (H. T.) A wonderful multi-colored rose, charmingly combining many shades of cerise-pink, flame, scarlet, and yellow. The buds, borne upright on strong stems, are long and pointed, and possessing a most exquisite fragrance.

TALISMAN. (H. T.) A vividly colored rose of an unusual combination of gold, apricot, pink and carmine in mingled splashes, streaks and blends. Flowers fairly double, borne on long stems.

PINK

BETTY UPRICHARD. (H. T.) A free blooming, tall growing plant, producing quantities of semi-double flowers of which the inner surface of the petals is a delicate salmon-pink and the outside a deep and glowing coppery carmine suffused orange.

DAME EDITH HELEN. (H. T.) This variety has wonderful pointed buds which open very slowly to large, full, perfectly formed blooms which hold their color with age and are carried on rigid, erect stems. The color is an even shade of pure, glowing rose-pink.

LOS ANGELES. (H. T.) An ideal American garden rose; one of the finest varieties ever introduced. The long stemmed fragrant flowers are of a brilliant flame-pink shading to coral and gold at the base of the petals. Ideal for cutting. Buds long and pointed.

RADIANCE. (H. T.) Buds are a brilliant rose-pink opening to lovely silvery-pink flowers suffused deeper pink. Deliciously fragrant. Long stems. Exceedingly vigorous, hardy, and disease resistant under all conditions of soil and climate.

SUSAN LOUISE. (H. T.) A lovely clear pink bush rose that is semi-double and produced in profusion on healthy, vigorous plants. The very long buds are slightly darker than those of Belle of Portugal and are borne continuously throughout the summer.

WHITE

FRAU KARL DRUSCHKI. (H. P.) The most popular everblooming white rose. Outer petals of immense buds occasionally tinged with pink; open blooms pure snow-white, large and moderately full.

McGREDY'S IVORY. (H. T.) The size and perfection of form of this wonderful rose are almost unbelievable. The buds are long and pointed, staying at this stage for several days, and opening to perfectly formed flowers of creamy ivory-white.

MME. JULES BOUCHE. (H. T.) Nicely formed white buds which open to medium sized flowers showing a slight blush in the center as the bloom opens. An old but popular variety. Fragrant.

TWELVE SELECTED

BLAZE. (L. C.) Plant Patent No. 10. Acclaimed by the nation as the only hardy everblooming scarlet climber. Blaze combines the vigor, beauty and hardiness of Paul's Scarlet Climber with the everblooming qualities of a favorite everblooming rose. Propagated from blooming wood. **\$1.00 each.**

COUNTESS VANDAL. (H. T.) Plant Patent No. 38. The Rose of Roses! "Countess" has been enthusiastically received by rose-lovers everywhere. Its long-pointed bud, distinctive shadings of coppery bronze, suffused with soft gold, and its form are a continuous "movie", developing new beauty at all times during its long life. A leading seller among Hybrid Tea Roses. **\$1.00 each.**

ECLIPSE. (H. T.) Plant Patent No. 172. The international sensation of the year, awarded prizes in Rome, Paris, and other test-gardens. Its long, stream-lined bud, enhanced by ornamental sepals, is of rich gold without shading. Petals are large and tough, but not numerous, averaging 20 to 25, with more in the autumn. The name "Eclipse" came about because the seedling bloomed for the first time on the day of the total eclipse, August 1932. **\$1.50 each.**

GLOAMING. (H. T.) Plant Patent No. 137. A cut-flower variety which has proved a "winner" wherever grown. Its large buds, carried on long, rigid stems, are amply clothed with handsome foliage. The bloom is of unusual coloring—fawn-orange in the bud, and the large, full blooms are of a peculiar pink overlaid with salmon. The plant is vigorous and branching. **\$1.25 each.**

MARY HART. Plant Patent No. 8. A striking red sport of Talisman. The bud is maroon-red, opening to well-formed blooms of deep velvety blood-red with an overflow of amber. Unlike most red roses, Mary Hart does not wilt or dry out when cut but opens perfectly. **\$1.00 each.**

MATADOR. (H. T.) Plant Patent No. 170. In the European shows it was hailed as a great red rose, and our tests have confirmed the opinion. Large, full, well-formed, scarlet-crimson blooms with darker silky sheen on the reverse; very fragrant. **\$1.25 each.**

RED

E. G. HILL (H. T.) This is the most unfading of all red roses. Immense, double flowers of dazzling scarlet shading to a deeper red as they develop; are deliciously fragrant and long lasting when cut. Blooms are produced singly on long vigorous stems.

ETOILE DE HOLLANDE. (H. T.) The finest dark red rose for general purposes. Ranked among the first three of its color by everyone who knows roses. The beautiful, oval buds are perfect, of medium size, and open into magnificent brilliant red blooms.

GRENOBLE. (H. T.) A majestic new rose of glowing scarlet-red. The lovely buds on long stems, are crimson but the open flower is brilliant red, almost scarlet, and a bed of Grenoble stands out like fire. Fully double and large. Tall growing and very vigorous.

HADLEY. (H. T.) An old favorite which everybody knows. Flowers rich crimson with velvety texture, of good shape, size, and substance. Very sweet scented. Long stems and mildew proof foliage.

RED RADIANCE. (H. T.) Similar to Radiance except in color. A rich, clear cerise-red. Large, full and well formed. No rose will excel in fragrance, growth or quantity of blooms. A fine variety.

YELLOW

GOLDEN DAWN. (H. T.) An Australian rose of vigorous growth and continuous bloomer. The oval buds are rich straw-yellow, flushed old-rose, opening into splendid double, sweetly scented flowers of sunflower-yellow. Blooms are borne erect on strong stems.

JOANNA HILL. (H. T.) The exquisitely formed long buds are orange-yellow, extremely fragrant and the colors while not brilliant are dainty and lovely. The open blooms are somewhat lighter. The texture of the petals is not injured by the weather.



Talisman



Betty Uprichard



E. G. Hill

PATENTED ROSES

REX ANDERSON. (H. T.) Patent right reserved. Long-pointed buds at first ivory but the general tonality of the open rose is cream-white. The large blooms are well formed, with open center and generally come in clusters on strong, upright stems; delicately fragrant. The plant is vigorous, branching, and is amply clothed with handsome leathery foliage, resistant to diseases. **\$1.50 each.**

ROME GLORY. Plant Patent applied for. A cross of Dame Edith Helen and Sensation. This rose was bred with the idea of raising a red Dame Edith Helen and the objective has been reached. A most robust and vigorous plant, much more winter-hardy than most Hybrid Teas, producing in quick succession long stems bearing large, crimson-red buds opening into full, well-formed, fragrant, cerise-red blooms. **\$2.00 each.**

RONSDARD. Plant Patent applied for. A new type of bedding rose of the most astonishing coloring. The bud is yellow, but gradually the edges of the petals curl back and show deep scarlet-red inside, thus creating a flamboyant color contrast which persists to the end. The blooms are medium size, and produced in great quantities throughout the season without interruption. **\$1.50 each.**

SIGNORA. Plant Patent No. 201. This rose from the land of sunshine and Chianti wine is a real masterpiece in both plant and bloom. Long bud of a warm burnt sienna, opening to a lighter hue toward mandarine. The plant is tall-growing with every bloom on a long stem. Foliage is handsome. **\$1.50 each.**

TEXAS CENTENNIAL. Plant Patent No. 162. A sport of President Herbert Hoover with all its wonderful plant qualities. Color is blood-red, toning to cerise-red in center. Most striking new red of unusual color. **\$1.00 each.**

YOSEMITE. (H. T.) Plant Patent No. 109. Vigorous, bushy plant of continuous blooming habit. Buds orange-scarlet, in clusters, opening to medium-large, semi-double, orange-scarlet blooms with a suffusion of carmine on the reverse. **\$1.00 each.**

MRS. E. P. THOM. (H. T.) A most valuable yellow rose for the garden. Color is a clear, canary-yellow. Fine long buds open into fairly large, perfectly shaped flowers, on good stems. The plant is of exceptional vigor and blooms very freely.

MRS. P. S. DUPONT. (H. T.) The ace of the golden yellow everblooming roses. Winner of more gold medals for outdoor blooms than any other rose ever grown. Buds are small but exquisitely formed and of a reddish gold, opening into beautiful yellow flowers.

COPPER AND ORANGE

DUCHESS OF ATHOL. (H. T.) One of the most outstanding of the newer varieties. The full, double flowers on their heavy stems are a very rich shade of golden bronzed flushed orange and old-rose, reminding one of a beautifully ripened peach. Exceedingly vigorous.

HEINRICH WENDLAND. (H. T.) Large, very double flowers of red-dish copper, with an orange flush over all, the backs of the petals being a rich orange. Flowers come singly on strong stems with shiny, leathery foliage. Of rich syrupy fragrance.

MME. EDOUARD HERRIOT. (H. T.) The Daily Mail Rose. The buds, which are long and pointed, are coral-red shaded yellow at base. The open flowers of medium size and semi-double are beautiful coral-red shaded with yellow and bright rosy scarlet.

MRS. SAM McGREDY. (H. T.) For elegant, shapely buds, this beautiful rose cannot be surpassed. Large, long pointed buds are produced singly on strong, slender stems. The color is a glowing combination of red, copper and orange, changing to warm pink suffused with gold as the flower ages. Vigorous, healthy plant.



Golden Dawn

Six Outstanding NEW ROSES

•
**Two Year Old
Field Grown**

•
**75c each
3 for \$2.00**

Postpaid

CATALONIA. (H. T.) A startling new color in roses, being a combination of velvety orange-scarlet, vermilion and cochineal red. Open blooms fully double. Bush of robust, rather spreading growth and almost continuously in bloom. A great rose to provide vivid coloring in the garden.

CONDESSA DE SASTAGO. (H. T.) You will admire the brilliant colors of this new double rose from sunny Spain. The bud is like a ball of gold with red stripes. Fully open it is fiery copper and rich gold. It likes heat, doing its best in midsummer.

HINRICH GAEDE. (H. T.) Without doubt the best rose introduced in the past four years. The color is rosy copper, also described as crimson on orange background or copper orange, which tones hold until the last petal drops. The buds are extra large, of good form and usually are borne singly on very long, strong stems.

McGREDY'S YELLOW. Large, bright buttercup yellow flowers, every bloom of which is perfect form and sweetly scented. The foliage is glossy and free of disease in most localities. One of the finest things about the variety is the fine bush, which is full of vigor and is continually sending up good stout, straight stems, each one surmounted by one of the beautiful buds. Stands heat well.

PRES. PLUMECOCQ. A strong, upright plant producing a great number of long buds of coppery-pink and orange borne on strong stems. Open into large cupped blooms of coppery-buff with a glow of deep salmon pink. Fragrant throughout the season.

SISTER THERESE. Sister Therese has the qualities which we all value most in a garden rose. It has a remarkably strong, tall and vigorous free branching bush. Buds are large, long and perfect of chrome-yellow, heavily marked with carmine. The open flower is rich daffodil yellow and holds its color well. Spicily fragrant.

CLIMBING ROSES 60c each, 3 for \$1.50, Postpaid

GOLDEN EMBLEM. (H. T.) An extremely vigorous, rampant climber with enormous, heavy canes producing quantities of double golden yellow flowers similar to the bush variety.

HOOSIER BEAUTY. (H. T.) Beautiful long buds and flowers of a rich, dazzling crimson-scarlet. Long stemmed and fragrant, borne on a vigorous climber.

LADY ASHTOWN. Exquisite, pointed blooms of vivid pink.

CECILE BRUNNER. (P.) A vigorous climber which is very popular. A persistent bloomer, flowers perfectly double, exquisitely formed but tiny and borne in clusters. The color is a salmon-pink shading deeper toward the center. Dense handsome foliage.

PAUL'S SCARLET. The semi-double flowers are of good size and of a vivid scarlet-red color, fading but little. Freely produced in clusters on much branched canes. It is perfectly hardy.

TALISMAN. (H. T.) This is destined to be a most popular climbing rose. Flowers are the same wonderful color and lovely form as the bush variety. Exquisitely fragrant. A very free bloomer.



MARY HART
(Plant Patent No. 8)
\$1.00 each

© 1932

PLANT PATENT
NO. 8



YOSEMITE
(Plant Patent No. 109)
\$1.00 each



SIGNORA
(Plant Patent No. 201)
\$1.50 each



ECLIPSE
(Plant Patent No. 172)
\$1.50 each

© 1935

PLANT PATENT
NO. 172



MATADOR
(Plant Patent No. 170)
\$1.25 each

© 1935

PLANT PATENT
NO. 170

VEGETABLE SEEDS

CUCUMBERS



Culture. Reasonably good soil that is fully exposed to the sun will raise a good crop of Cucumbers. Every family should be supplied from its home garden, since the fruit is so much better when gathered fresh from the vines as desired for use than it is in the more or less wilted condition in which it is found on the market. Cucumbers are close relatives of melons but mature in about 60 days and may be brought to maturity with little trouble in the home garden. The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants with liberal applications of powdered DUTOX. Dust the under side of the leaves with NICO-DUST to kill aphids. See page 38.

Monarch Improved Long Green. Matures in 72 days. The most popular and one of the best for the home garden; particularly desirable for slicing. Fruits rich dark green; black spined; 12 inches long; 2¼ to 2¾ inches thick; straight; cylindrical; with few seeds. Carry a distinctive flavor, make excellent pickles, and when yellow and ripe the best sweet pickles. Pkt. 5c; oz. 30c; ¼ lb. \$1.00.

Early White Spine. Matures in 60 days. The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 inches long; 2½ inches thick; slightly tapered; blunt. Pkt. 5c; oz. 15c; ¼ lb. 45c.

Boston Pickling. Matures in 60 days. Splendid pickling and slicing sort. Fruits medium dark green; black spined; 6 to 7 inches long; 2½ inches thick; symmetrical; only slightly tapered. Pkt. 5c; oz. 15c; ¼ lb. 35c.

Lemon Cucumber. Matures in 65 days. Fine for preserves. Yellow in color, fruits round. Fine for salads. Every garden should contain a few hills of Lemon Cucumber. Pkt. 5c; oz. 25c.

Straight-8. This outstanding new variety produces symmetrical, clindrical fruits about 8 inches long and 1½ inches in diameter. The fruits are well rounded at the ends and when in condition for use are deep green and free from objectionable striping or tipping. Ideal for shipping or for home or market garden. Pkt. 15c; oz. 40c; ¼ lb. \$1.25.

CELERY

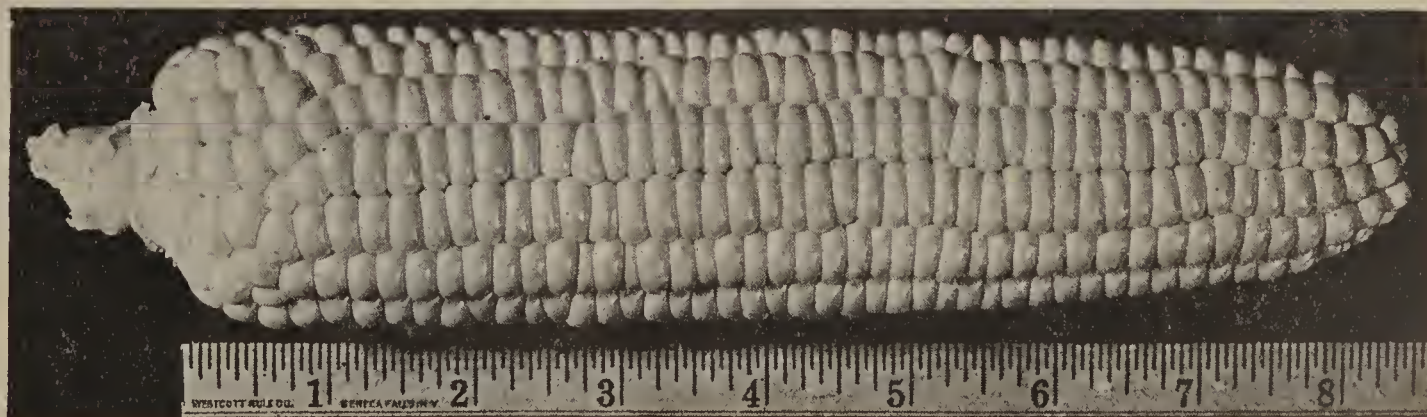
French Golden Self-Blanching. The best celery for early market use. Of yellow color when matured. Brings top prices. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.50.

White Plume. Best early variety for market gardeners or for family use; of white color. Pkt. 10c; oz. 25c; ¼ lb. 60c.

Use ROTO-DUST

To control corn ear worm. It's non-poisonous and very effective.

(See page 38)



SWEET CORN

ACCLIMATED SEED

Prices postpaid (Unless otherwise noted).

Pkt. 10c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00.

Golden Cross Bantam Hybrid. While this original hybrid variety still leads the group in yield per acre, new varieties have been developed that mature earlier at the expense of production. We still strongly recommend Golden Cross Bantam, believing it to be as good as one would want for the home garden and for maximum production of ears. However, if as a market gardener, you are out after the earliest production and want to get on the market with sweet corn before your neighbor, then we suggest that you plant either Marcross or Improved Bancross, listed below. Golden Cross Bantam matures in about 90 days, yields double that of Golden Bantam; twelve rows to the ear. In trial plantings it yielded 20,000 ears to the acre. A trifle lighter in color than Golden Bantam. Pkt. 10c; ½ lb. 30c; lb. 50c. Ask for quantity price.

Improved Bancross. Excellent flavor, good size ears, yields slightly below that of Golden Cross Bantam. Matures in about 85 days. Like all the hybrid sweet corns, Bancross matures and is ready for picking more simultaneously. Two pickings will clean the field, resulting in a quick clean-up of the crop. You will find Bancross, like the other hybrid varieties, more profitable to plant than the old varieties. Pkt. 15c; ½ lb. 35c; lb. 60c. Ask for quantity price.

Marcross. This is the earliest maturing of the hybrid varieties. First picking can be made about the 80th day. Yield is slightly under that of Bancross. Quality of the corn very good. Color the same as Bancross and Golden Cross, light yellow. Pkt. 15c; ½ lb. 35c; lb. 60c. Ask for quantity price.

Golden Early Market. One of the best extra early yellow varieties for home and market garden. Ears have strong husks; 8 to 12 rowed. Kernels golden-yellow, medium, tender, sweet and of good flavor. Very prolific for so early a variety. Matures in 75 days from planting which is 5 days earlier than Golden Bantam. Prices at top of page.

Golden Bantam. The best known and most favorably known of all the yellow varieties. Stalks often have 2 ears. Ears 8 rowed; kernels broad, with tender hull, sweet, and of exceptionally fine flavor. Used widely for home gardens, by truckers and for canning. Matures in 80 days. All our seed sweet corn is northern grown, acclimated seed. Prices at top of page.

POP CORN

Jap Hulless. Most profitable and popular; short ears, white pointed kernels. Pkt. 10c; ½ lb. 25c; lb. 35c. Popping Corn, lb. 25c postpaid.

South American Yellow. A giant yellow corn. Pops into mammoth creamy yellow, tender, fluffy kernels. Pkt. 15c; ½ lb. 30c; lb. 50c.

KOHL RABI

Hardy and easy of culture. Grown from plants the same as cabbage. The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and combines the flavor of both. It should be eaten before growth ceases.

Early White Vienna. Very early; bulb white; best table variety. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Early Purple Vienna. Same as above except in color, which is purple. Pkt. 10c; oz. 25c; ¼ lb. 75c.

KALE

1000 Headed or Cow Kale. Frequently attains a growth of 6 to 8 feet and produces many of the smooth leaves. Largely used for feeding stock and poultry. Oz. 10c; ¼ lb. 25c; lb. 75c.

Dwarf Curled Scotch. Long plume-like leaves with edges finely cut. Pkt. 10c; oz. 20c; ¼ lb. 60c.

VEGETABLE SEEDS

LETTUCE

Prices on all vegetable seeds postpaid unless otherwise marked.

Culture. Lettuce to be at its best should be grown rapidly, hence the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For general crops sow outdoors as early in the spring as the ground can be worked, in drills 18 inches apart and thin the young plants to four inches apart in the row. As the plants begin to crowd, thin them out and use as required. For the cabbage or heading varieties where large heads are desired, the plants should be thinned ten to twelve inches apart in the row. Varieties marked "A" are particularly adapted for early spring use, those marked "B" for summer culture or late fall planting.



Los Angeles or New York "B". The most largely used lettuce in the world; grown in immense quantities on the Pacific Coast and shipped to all parts of the country. Plant large, dark green, crisp heading; outer leaves notched and slightly curled on the edges. Large, tightly folded cabbage-like head is well balanced, crisp and sweet. We offer a special strain for early gardening, known as No. 12. It is a trifle lighter in color than other strains of New York but is popular with market or home gardener. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Hanson Head "B". Matures in 82 days. One of the most popular home and market garden sorts; very hardy; widely used in all parts of the West. Plant very large with broad, thick, frilled, light yellowish-green leaves, forms rather large, globular, very hard cabbage-like head which is white at the heart, crisp, sweet and tender. It is best known under the name "Nonpareil" in Canada. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.



Grand Rapids "A". One of the most popular loose leaved varieties. Excellent for early planting outside, and for greenhouse forcing. Plants erect and compact; leaves light green, broad, wavy, curly and heavily fringed at the edges. Handsome sort; very tender and sweet when grown under glass. Early maturing. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Prizehead "A". An early non-heading sort, very desirable for home garden use. Plants of medium size, crisp and tender; color light brown on a medium green background; leaves crumpled and highly frilled at the edges; of excellent flavor. Matures in 60 days. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Brown Dutch "B". A standard mid-season butter head variety of medium size; dark green overlaid with bronze red. Leaves broad, thick and smooth, with plain edges; head firm with buttery yellow interior of good quality. Matures in 78 days. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

LEEK

The Leek belongs to the onion family. Prized for soups. Cultivate same as onions, but should be hilled up about the neck to blanch it.

Large Roan or American Flag. A large favorite American sort. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.

MUSTARD

The following varieties make the finest greens when used alone or if combined with cress furnishes a delicious salad. Sow any time in the spring, in rows, and thin out as necessary.

Southern Giant Curled. This is a giant curled leaf of fine quality. Pkt. 5c; or. 15c; ¼ lb. 25c.

White English. Light green variety; tender leaves. Seed light yellow and pungent. The commercial mustard seed is this sort. Pkt. 5c; oz. 15c; ¼ lb. 35c.

Chinese Mustard. Less pungent than other varieties. A most delicious variety thriving under same conditions as spinach. Pkt. 5c; oz. 15c; ¼ lb. 35c.



MUSKMELON

Culture. Plant in hills 4 to 6 feet apart each way after danger of frost is past and ground is warm; enrich well with well-rotted manure and plant seeds just under the surface, putting ten or twelve seeds in a hill covering about an inch deep with fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation until plants make runners too long for practical work. Rich earth is far preferable to manure, and if manure is used be sure it is well rotted and well mixed with the soil. Use NICO-DUST for melon aphids and for beetles, but with finely sifted ashes or road dust. See page 38.

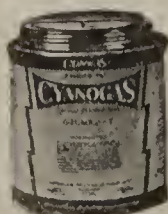
Burrell's "Superfecto". This variety is recognized as the highest development in cantaloupe and is especially recommended for planting where melons are inclined to rust as it is more rust resistant than most sorts. Well grown, practically all these melons pack 12 to the Jumbo flat crate. The netting is well developed and closely laced covering the entire melon. The interstices between the netting are small and bright green when full ripe. The flesh, a rich orange salmon, is very deep and the color shows through the rind where the melon touches the ground a day or two before the melon will slip enabling the careful picker to pick accurately. The quality is unexcelled. The flesh is fine grained, very sweet and spicy. We offer No. 1, first cut seed only. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Hales Best. An outstanding early shipping cantaloupe. Planted extensively in all melon growing sections, for early shipping. Fruits oval; inconspicuous ribbing with heavy netting. Flesh extremely thick, salmon-orange, sweet and of fine quality. An excellent keeper and a good shipper. Seed cavity very small. Earlier than Superfecto, matures in 85 to 90 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Hearts of Gold. Still a dominating favorite. Quality extremely fine. Well netted except a narrow stripe between shallow ribs. Holds its color well. Very firm and a good shipper. Deep golden flesh is of the finest quality. Sweet, spicy and distinctly flavored. Hearts of Gold, because of its outstanding flavor will always remain a favorite. No garden is complete without it. Matures in 92 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Extra Early Hackensack. Matures in 80 days. The standard extremely early large fruited melon for home garden and nearby market. Fruits large, deep but flattened; commonly 6 inches long and 7 inches in diameter; distinctly ribbed; partially netted. Flesh thick; green and juicy. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. \$1.50.

Rockford. Everyone knows this melon. It is one of the old standbys. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.



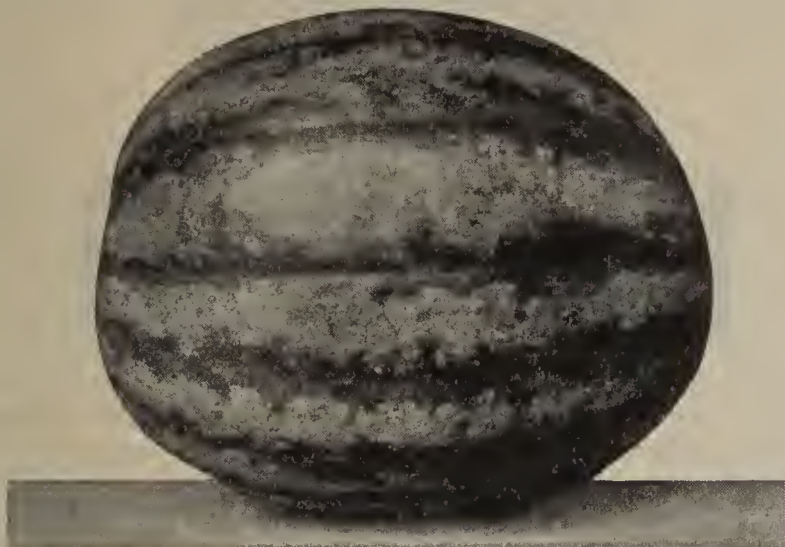
CYANOGLAS

CYANOGLAS spells sure-death to Squash Bugs (stink bugs). Applied in the early morning before the dew is off the vines or after irrigating, Cyanogas will kill Squash Bugs quickly and surely. Lb. can 85c; ½ lb. can 55c; not prepaid. (Poison.) Cannot be mailed.

VEGETABLE SEEDS

WATERMELONS

Striped Klondike. Friends, here's a new one. We tried it out and found it delicious. We're passing it on to you. Try it! An excellent shipper and of wonderful quality. Light green, conspicuously striped with dark. In quality it has no superior and its striking appearance advertises it well wherever offered for sale. It brings excellent prices. Size and shape same as brown seeded Klondike. Striped Klondike matures about the same time as our Brown Seeded Klondike. The flavor will strike you as "par-excellence." We feel we are offering you the last word in watermelons in this new variety. If you miss out on its good qualities, don't blame us. A minimum of seeds is a characteristic of our strain. See illustration below. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. \$2.00.



Monarch Brown Seeded Klondike. (Early maturing strain.) Flesh deep red, very sweet, flavor of the best, rind thin, dark green and tough enough to allow shipping to nearby markets. Stem end square, center full, tapering slightly to the blossom end. A favorite on the Pacific Coast. One of the best flavored melons we have ever offered. Usually weighs about 25 pounds. We offer the earliest maturing strain. You can buy cheaper seed, but never better. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Kleckley Sweet or Monte Cristo. Early. A most popular home garden variety. Fruits large, oblong, very dark green; flesh bright rich red, crisp, exceedingly sweet; seeds white. Kleckley Sweet has been a favorite for a generation. We believe, however, that Kleckley Sweet does not compare in quality of flavor to either of the Klondike varieties. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.00.

Black Seeded Ice Cream. Grown extensively in Oregon and Washington. A splendid shipper, does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, a fine keeper. Drought resisting, ripens early. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.00.

Black Seeded Chilian. This melon quickly became popular in California where it originated, and gains favor wherever grown. The medium sized spherical fruits are very dark green, faintly marked with lighter striping. The flesh is crisp, fine grained, and very sweet. It is of an attractive red color. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.



Crystal Wax — White Bermuda ONION PLANTS

Ready for shipment after March 1st

NOW YOU CAN HAVE BERMUDA ONIONS IN YOUR OWN GARDEN. Because of the long ripening season necessary to mature Bermuda Onions it has been impossible in the past to raise this delicious onion in Western gardens. Raising a crop from seed was impossible. Now plants are available for resetting and it is possible to grow the "finest and sweetest onion" of them all in your own garden. Plants are no longer an experiment; they all grow perfectly in every locality. Our plants will make early green onions for pulling and LARGE, SWEET MATURED ONIONS for the table or market. One thousand plants will produce 8 to 10 bushels of dried onions. Our plants are sure to grow.

Prices, postpaid (over the counter prices somewhat lower): 1 bundle of about 100 plants, 30c; 5 bundles of about 500 plants, \$1.00; 10 bundles of about 1000 plants, \$1.75.

CASABAS

Golden Beauty. Fruits are nearly globular of bright golden yellow color. Flesh is white, very thick and juicy. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.35.

Winter Pineapple. A casaba that ripens slowly and lasts practically through the winter. Stores like Hubbard squash. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.35.

Persian (Small Variety). Matures in 115 days. Requires long season to attain perfection; widely grown for market. Fruits globular, skin very dark green; netted. Flesh thick; bright orange; of distinct flavor when melons are fully ripe. Pkt. 10c; oz. 35c; ¼ lb. \$1.10.

ONIONS

Early Grano Onion. A fine new early maturing variety, introduced several years ago into the U. S. from Spain. A remarkable variety due to its early maturity and good quality. Tests and trials conducted show it to mature even before Early Sweet Spanish. The bulb has a general globe shape, tending to be slightly oblong or top shaped, is yellow in color, very sweet flavored, and of good quality. Destined to become an important early commercial onion. Fine for the home garden as well as profitable for the commercial grower. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

Early Sweet Spanish (Riverside Strain). This strain of Sweet Spanish has been bred up to keeping quality perfection. Originally the Spanish strain of this type did not have the keeping quality, hence seed breeders set to work to include the necessary keeping propensities. Such will be found in our Sweet Spanish. This is a very sweet and early onion. Most of you know it for its extreme high characteristics. Early, mild, excellent keeper, heavy yielder. Increasingly popular with the market and home gardener. Large, yellow, globular, flesh white, very sweet and of pleasing flavor. Desirable for shipping. Our seed comes from the most reliable source and you'll find ours, True-to-type stock. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Yellow Globe Danvers. One of the most extensively used main crop yellow onions for the home garden. Here's what our grower says about our seed: "Our selection and breeding have developed a strain which has the early ripening habit and small neck of the original Danvers and yet is more globular and prolific than the parent type. The bulbs are medium to large sized, uniformly globe shaped and white fleshed, with a crispness and an excellent mild flavor. Highly recommended." Could you ask for more in an onion? Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.25.

Prizetaker. The most widely grown of the yellow types. Enormously productive, widely grown for shipping. Bulbs large, globular; skin thin, glossy and of a lighter shade of yellow than Danvers; flesh coarse but mild and sweet. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.25.

Crystal White Wax. A most attractive onion. An off-spring of White Bermuda. Pure white in color, being waxy in appearance. Largely grown for the market but highly recommended to the home gardener. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.



ONION SETS

For the earliest green onions use onion sets, planting them about 2 inches apart in the row. Dry onions can be grown from sets, but it will be found much less expensive if grown from seed. We can furnish Yellow Strassburg sets at 30c per quart postpaid; 5 quarts, \$1.25; 10 quarts and up, 20c per quart postpaid.

Note: We cannot supply Sweet Spanish onion sets.

VEGETABLE SEEDS

PEAS

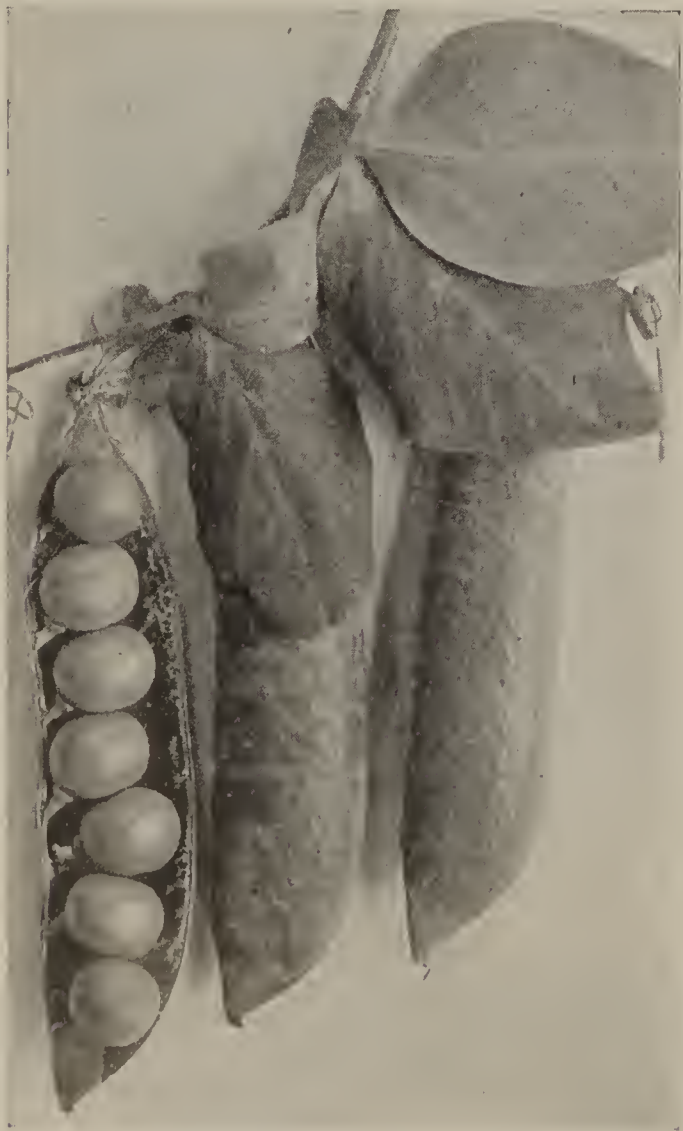
Culture. One pound will sow 100 feet. Light, moderately rich soil is best for this crop. Sowing of first early varieties should be made in October, and the other varieties in the early spring. Peas are sown in single or double rows from 2 to 6 feet apart, according to the variety or height to which they attain. Dwarf varieties are planted 2 feet apart, and those of medium sorts 3 feet to 4 feet apart. Tall varieties from 5 to 6 feet apart.

Early Varieties—Dwarf

Morse's Market (No. 122). A new large podded early mid-season pea. Vines robust, 24 to 30 inches tall; pods 5 to 5½ inches long, produced abundantly even to the tip of the branches. A fine variety to plant with early peas for succession. Eight to 11 peas are contained in every pod. After standing for some time, the pods still look fresh and attractive, a characteristic which makes them unusually good for use by market gardeners and shippers. An excellent home garden variety. Pkt. 10c; ½ lb. 25c; lb. 40c; postpaid.

Laxton's Progress. Matures in 60 days. Splendid variety for home, market garden and shipping. Vines dwarf; 20 inches tall; dark green; prolific. Pods handsome; dark green; very large for dwarf variety; fully 4 inches long, ¾ inch wide, plump; tapered at end. Seeds large, wrinkled; cream; interior yellow. Laxton's Progress is an improvement over Laxtonian. More prolific, larger pods with immense peas, filling the pods to bursting. If you want the maximum from your pea crop, plant Laxton's Progress. Our seed comes to us from the West's most reliable grower. Germination is high and you'll find our stock positively, True-to-Type. Pkt. 10c; ½ lb. 20c; lb. 35c; postpaid. Quantity price on application.

Laxtonian. Matures in 65 days. While not quite as early as Laxton's Progress this old favorite is earlier than most early sorts and by far superior to most. Dwarf, large-podded, this variety is generally considered the best of its class. The blue-green pods are often more than 4 inches long and contain 8 dark green peas of finest flavor. It is especially recommended for home garden use. Seeds are large, wrinkled; green and cream in color. Pkt. 10c; ½ lb. 20c; lb. 30c, postpaid. Quantity price on application.



Main and Late Crop Varieties

Stratagem (Improved). Matures in 77 to 80 days. Vines about 2½ to 3 feet tall, bears large pods of the Telephone type. This is an outstanding type of everbearing variety. Stratagem is an ideal late variety to follow the earlier ones in the home garden. Large squarish seeds are wrinkled and green. Delightful flavor and a very productive sort. Pkt. 10c; ½ lb. 20c; lb. 30c, postpaid.

Tall Telephone. Vines 4 to 4½ feet tall. Heavily loaded with very large, well formed pods, often 5 to 5½ inches long. Light yellowish-green and normally contain 8 to 10 very delicious, large peas. Pkt. 10c; ½ lb. 20c; lb. 30c, postpaid.

PARSNIPS



ONE OUNCE of seed will sow 200 feet of drill, 5 pounds will plant an acre. This crop requires a very rich soil. Sow in drills 18 inches apart and one-half inch deep and thin to 8 inches in the row.

Long Smooth or Hollow Crown. A standard table sort; the best and most productive for field culture. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c.

PEPPERS



California Sweet Wonder. Matures in 72 days; large green fruits available practically as early as Ruby King. This is the standard of excellence in sweet peppers; much used, particularly by market gardeners and shippers. Plant thrifty, upright, heavily productive over a long season. Fruit handsome, very large, very smooth and regular; commonly 4½ inches long and 3½ to 4 inches through; deep green, becoming bright crimson; flesh extremely thick and firm, sweet throughout and of distinct flavor. Pkt. 10c; oz. 75c.

Large Bell or Bull Nose. Matures in 55 to 60 days. An old favorite. Sweet with mildly pungent ribs. The earliest, most prolific large fruited pepper. Plants small, upright. Fruits 3 to 3½ inches long, 3 inches thick, blocky; slightly crumpled; deep green becoming scarlet red. Pkt. 10c; oz. 60c.

Chinese Giant. Matures in 80 days. The largest sweet pepper. Fruits 4½ to 5 inches long and of equal diameter; roundish, blunt at the ends; somewhat crumpled; deep green, mild and sweet throughout. Pkt. 10c; oz. 75c.

Long Red Cayenne. Matures in 70 days. A leading sort for use in pickling and for drying. Very pungent, fruits 5 inches long ½ inch thick, tapered. Pkt. 10c; oz. 50c.

VEGETABLE SEEDS

PUMPKINS



Culture. Enormous pumpkins may be grown on the fertile soils of Southern Oregon and Northern California. Plant the seed in the open ground when it is well warmed and after danger from frost is past. Plant in hills about 8 feet apart; 3 to 4 pounds of seed will plant an acre and 8 ounces will plant 100 hills. Do not plant near squashes, as they are likely to mix.

Connecticut Field. The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 inches long, 12 inches in diameter and weigh 20 lbs., sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 90c.

Winter Luxury or Pie. Very popular home and market garden sort; about in season with New England Pie. Fruits almost globular, commonly 7 to 8 inches long and 8 to 9 inches in diameter and weigh 8 pounds; skin light orange; not furrowed but with a netted, russety appearance; rind thin and easily cut; flesh very thick, yellow, firm and of splendid quality. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

New England or Sweet Sugar. A handsome and productive small pumpkin; skin orange, flesh yellow, fine grained, very sweet. This is the famous New England Pie Pumpkin. Pkt. 10c; oz. 20c; ½ lb. 35c; lb. \$1.00.

RADISHES

Crimson Giant. Matures in 29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip rooted radishes; commonly attain diameter of 1½ inches before becoming pithy; of unexcelled quality. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

Early Scarlet Turnip. Matures in 23 days. Very early sort, superior and equally valuable for out-of-door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe shape; 1¼ inches long when ideal for use; with slender well defined tap root; uniform rich bright scarlet; flesh white, crisp and of splendid quality. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

Early Scarlet Turnip (White Tipped). Matures in 25 days. Handsome, popular variety of outstanding quality; much used in home and market gardens. Tops small, roots deep turnip shape, almost globular, with slender tap root; bright scarlet with well defined white area about the tip; remain crisp and of splendid quality until 1¼ inches in diameter or greater. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

Long Scarlet. Matures in 26 days. Standard home and market garden sort. Tops small. Roots long, tapered; become 4-5 inches long and ¾ inch thick at shoulder; bright carmine red. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. 80c.

Long White Icicle. Matures in 27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small, roots long, tapered; very white; brittle as ice; of splendid quality until 5 to 6 inches long; mild and of splendid flavor. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

SPINACH

Culture. Of easy culture and very profitable. Spinach may be planted in the fall or early spring. In our mild climate winter sowing is practical with good results. Sow 8 pounds per acre as a field crop or 1 ounce to 100 feet in the home garden. The richer the soil the larger and better the leaves. Use a top dressing of Sulphate of Ammonia after plants have started to grow.

Bloomsdale Savoy. Matures in 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 inches and spread 12 to 15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.



Giant Thick Leaved. Matures in 43 days. Decidedly the best of the round seeded thick leaved sorts. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick broad arrow-shaped with rounded tip. Easy to wash free of sediment. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid.

New Zealand. Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. A perennial sort. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.



See page 31.

VEGETABLE SEEDS

RUTABAGAS

American Purple Top. One of the best and most popular varieties, with yellow flesh. Good for stock feeding. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c.

Large White or Sweet Russian. A very large variety, with white skin and flesh which is tender and sweet. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 80c.

SQUASH



Culture. Do not sow squash seed until all danger of frost is past. Put a spadeful of well rotted manure in each hill and dig it in well. Sow 8 to 10 seeds in a space one foot in diameter and later thin to the strongest three plants. Eight ounces of seed will plant 100 hills; 2 to 3 pounds per acre. In gathering winter squash it is important to keep the stems from being broken off.

Improved Warty Hubbard. Standard winter squash for home, market and shipping. Fruits medium large; commonly 9 to 10 inches through; globular, dark bronze green, moderately warty; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.

Banana or Sweet Potato. An excellently flavored winter squash. Fruit commonly 18 to 24 inches long and about 7 inches in diameter. The skin is gray-blue and not so hard as that of the Hubbard, while the flesh is fine grained, deep yellow, dry, sweet and of prime quality. Good keeper. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Table Queen or Des Moines. Very early; extremely prolific; one of the most popular for home and market garden and shipping. Fruits pointed acorn shape; 5½ inches long and 4 inches through; uniformly ridged; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Vines yield prolifically and fruit matures in about 100 days. Fine for baking and serving in halves. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

Yellow Summer Crookneck. Well known. Fruit long, skin very much warty; bright golden yellow. Pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.25.

White Bush Scallop. A very early variety with flat, white scalloped squashes 4 to 6 inches in diameter. Vine bushy in habit and dwarf. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Mammoth Chili. The largest squash. Used for stock feeding. Immense size means heaviest yield per acre. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.



TURNIPS

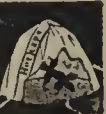
ONE OUNCE will seed 100 feet; 2 pounds will sow an acre. Turnips do best in highly enriched soil of light, sandy texture. Sow in drills from 12 to 15 inches and thin early to 8 or 9 inches apart.

Purple Top Strap Leaved. Ready for the table in 45 days. Very important home and market garden sort. Tops small, erect, compact. Roots flat, become 5 inches in diameter and half as thick; purplish red above and white below; flesh clear white, fine grained, mild. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

Purple Top White Globe. Matures to table size in 55 days. Full size in 70 days. The standard home, market garden and shipping sort for table use. Tops medium large, compact, strap leaved. Roots globular, smooth; bright purplish-red above, white below; become 5 to 6 inches in diameter; flesh white, firm; fine grained and tender when young. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 75c.

White Egg. Ready for the table in 55 days. Tops erect, fairly compact; cut-leaved. Roots white, smooth, grown one-half above ground, egg shaped, 3 inches long; flesh white, firm grained, sweet and tender. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. 75c.

Hot-Kaps make for an earlier garden. Protect your tender plants from frost. See page 32.



TOMATOES

Culture. Sow the seed in hotbeds in early March, moving plants to cold frame when of suitable size. Harden off in cold frame until conditions are right in the field for their transplanting. Too frequent watering is harmful, especially spraying the plants. Just a moderate amount of water should be applied at the roots at regular intervals.

Break O'Day. Another of Dr. Pritchard's introductions. A cross of Marglobe and Marvana, resistant to wilt and nail-head rust. Plant light, of open, spreading habit with medium foliage; early and very prolific. Fruits medium large, orange-red, uniform, globe-shaped, smooth; walls not as thick as in Marglobe. Very early maturing, just 4 days later than Earliana. Very desirable for early market. Fruits are free from cracking around stem end and of very uniform shape. Pkt. 10c; oz. 60c; 2 ozs. \$1.10; ¼ lb. \$2.00.

Marglobe. Our stock of Marglobe is bred directly from seed originated by the U. S. Department of Agriculture. This variety has come into wide use by truckers and shippers, and in some sections by canners. Plant vigorous, with heavy foliage, resistant to wilt and nail-head rust; moderately productive. Fruits medium large, nearly globular, smooth, solid, with thick walls and cross-sections of fine quality. Pkt. 10c; oz. 45c; ¼ lb. \$1.25.

Earliana (Special Market Gardener Strain). A first early sort, widely used for home gardens and by truckers. Ours is one of the several excellent strains of this important variety which has been bred for thicker, smoother fruits. Vine is open, spreading, medium small. Fruits flattened, medium sized, form, bright, red, quite smooth. Pkt. 10c; oz. 50c; ¼ lb. \$1.35.

Chalk's Early Jewel. A second early sort for home gardeners and truckers, also good for canning. Plant medium, with open growth; prolific. Fruits medium large, smooth, scarlet, flattened globe-shaped. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

Pritchard or Scarlet Topper. A scarlet self-topping, disease-resistant variety originated by the late Dr. F. J. Pritchard, of the United States Department of Agriculture, in 1931. It is a cross between Marglobe and Cooper's Special and has inherited fine qualities from each parent; heavily productive. Fruits large, smooth, globular, solid, with thick walls and cross-sections; color light scarlet, not as intense as could be desired. Highly valuable for market garden use and for long distance shipping. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Small Fruited Varieties

Yellow Pear. Pkt. 10c; oz. 65c; ¼ lb. \$2.00.

Yellow Plum. Pkt. 10c; oz. 65c; ¼ lb. \$2.00.

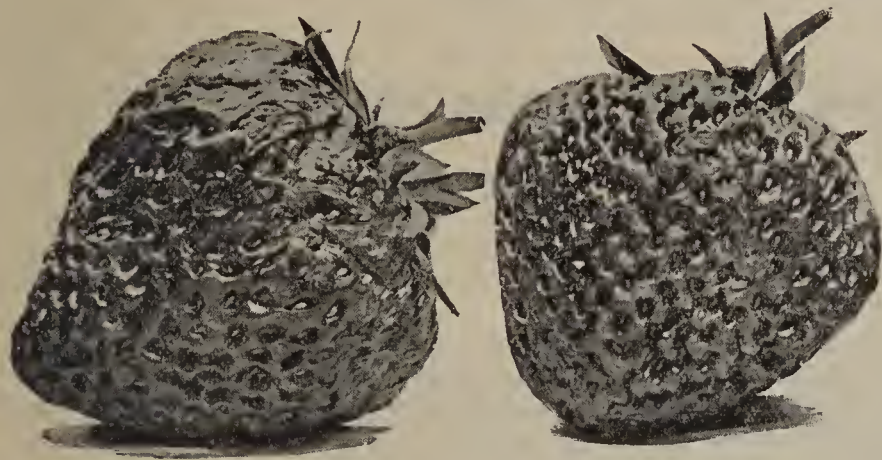
Husk Tomato or Ground Cherry. Small, round, yellow fruits about half an inch in diameter, enclosed in a thin husk. Very deliciously sweet. Excellent for preserves. Pkt. 10c; oz. 65c.

PLANT OUR DISEASE-FREE BERRY PLANTS

STRAWBERRIES

Our strawberry plants come from inspected fields, assuring you disease-free plants of vigor and quality.

Keith's Super-Giant Mastodon. An improvement over the original Mastodon. Berries are larger and ripen more evenly all over the plant. Our grower says: "I have raised everbearing berries for the past 18 years and each year try out new varieties and today I have only one everbearing that will equal or better the Super Giant and it will be two or three years before I will offer plants from my planting. I can without reservation, recommend Keith's Super-Giant Mastodon as the best everbearing berry on the market today. You can assure your customers that this truly outstanding berry will more than please them. Tell them that Super-Giant will over a period of years outyield any other variety." Berries are of delicious flavor. **Prices postpaid: 25 plants, 75c; 100 plants, \$2.50; 250 plants, \$5.00; 1000 plants, \$15.00.**



New Gem. Here's an outstanding new variety in everbearers. Gem produces a very firm, good flavored and extra fine appearing berry. Fruit is of good size and very uniform. A very heavy plant producer. Gem is an extra fine commercial berry but requires more care such as runner trimming. Yield is very heavy the first season after setting. Our grower says: "A field of Gems was set in the spring and the yield up to and including September 19th of the same year was just over 200 crates per acre before freezes cut down the production. I have grown the Gem for three years and find it a heavy yielder of very delicious, uniformly rich red fruit. You should insist upon your customers trying Gem." **Prices postpaid: 25 plants, 50c; 100 plants, \$1.50; 250 plants, \$3.50; 1000 plants, \$12.00.**

Rockhill No. 26. A new and distinctly flavored strawberry. It bears a large, attractive berry about the size of Mastodon. Its flavor is superb, unsurpassed by any of the spring fruiting sorts; it is prolific. Plants set in the spring 30x36 inches have been bearing 400 to 500 24-pint crates the same season. An everbearing sort. Stands extreme cold weather and can be depended upon to produce a good crop from early spring to late fall. What might seem a drawback to this variety is that it does not make a large number of new runner plants. This results in greater expense for the first planting as plants cannot be sold at prices that are standard for other varieties. However, this is only a seeming drawback. The habit of the Rockhill is to produce a large number of crowns, running sometimes to as many as 25 to the plant in a single season. The energy employed by other kinds of berries in producing runners and nourishing plants at a distance is kept at home with Rockhill. This habit accounts for the quick and abundant fruit production of Rockhills. It may also be stated that no time or expense need be expended in keeping off runners. Such new plants as form begin bearing almost at once, multiplying crowns throughout the season. Rockhill plants are very scarce, hence we suggest placing orders early. We have only ten thousand plants to sell this spring. First here, first served. **Prices postpaid: 10 plants, \$1.25; 25 plants, \$2.50; 100 plants, \$8.**

We can supply most any variety of strawberry plants. If interested in Dorsett, Fairfax, Premier, Improved Oregon, Grand Champion, Progressive Everbearing, write for prices. We offer only inspected and disease-free plants.

BOYSENBERRIES

The new Boysenberry is such an improvement over all other vineberries that berry growers in California, where it originated, are destroying hundreds of acres of other vineberries and replacing them with this amazing new berry. The reason is evident:

One larger producer of Boysenberries has this to say: "After marketing our berries this season we were assured of the success of the Boysenberry and believe that in a few years it will become one of the most popular market berries. We are also starting to market a soft drink made from the Boysenberry. We will need several million pounds of berries ourselves this coming season. We are telling you this so you may assure your customers that they will not regret setting out Boysenberries."

Boysenberries have a distinctly delicious and different flavor. They are of immense size. If the Boysenberry is permitted to remain on the vine until it is fully ripe it is much sweeter than any other vine berry. When eaten fresh, no sugar is necessary because it has a very high sugar content.

Prices: No. 1 strong tip-rooted plants prepaid to any express or postoffice in the U. S., 25c each; 10 plants \$1.50; 100 plants \$10.00; 1000 plants \$75.00.

YOUNGBERRIES

Thornless Youngberry. The fruit is identical to the original Youngberry but the canes lack those disagreeable thorns. You can enjoy the exquisite flavor of Youngberry without the discomfort of thorns. **Postpaid, each 20c; \$1.75 for 10; \$3.75 for 25 plants. Order early.**

RHUBARB PLANTS

Riverside Giant. Our plants are from two-year-old stock, being divisions and not seedling plants. They will produce earlier for you. Riverside Giant Rhubarb has stood the test of time, crisp, tender, free from stringiness, distinctive flavor. The skin is so thin it disappears in cooking. Has every good characteristic a commercial rhubarb should possess. Yields of over 35 tons per acre are common. **Medium divisions, each 25c postpaid. Large divisions, each 35c postpaid.**

SEED POTATOES

New Chippewa. This is the most recent introduction by the Department of Agriculture. In all tests the yields have been surprisingly high. Chippewa while not as early as Quick Lunch or Bliss Triumph is of better quality both from a standpoint of flavor and keeping. Likewise, Chippewa is highly resistant to mild Mosaic disease which devastates many varieties during the growing period. The tubers are smooth, regular in outline, with very shallow eyes. An excellent cooker. Color, creamy pink. Our seed is mountain grown, therefore harder. Our grower is very enthusiastic about this new introduction. **10 lbs. \$1.50, postpaid to 3rd zone. Write for quantity prices.**



NEW CHIPPEWA

Early Bliss Triumph. Tubers of handsome appearance, being almost round, with slightly depressed eyes, mostly at the seed end. Run very uniform as to size and shape. Heavy yielder and good flavor. A pinkish-red potato. Plant only certified seed as a protection against mild Mosaic disease which often reduces yields 50%. Certification is your only guarantee against this disease. **10 lbs. \$1.25, postpaid to 3rd zone. Write for quantity prices.**

Quick Lunch. One of the earliest potatoes. Pinkish tinge when first dug. Excellent flavor and good yielder. Not a good keeper. We offer mountain grown seed only. **10 lbs. \$1.25, postpaid to 3rd zone. Write for quantity prices.**

The New Warba. A cross of a selected seedling and Bliss Triumph. It resembles Bliss Triumph, though is larger in size; a bigger yielder, has white crisp flesh and is exceptionally quick maturing. Its season is 7 to 10 days earlier than Bliss Triumph. Vines upright, sturdy and resistant to mild Mosaic. Tubers are short, round, blocky, white with pink eyes and uniform in size, with few culls. **10 lbs. \$1.35, postpaid to 3rd zone. Write for quantity prices.**

Sow
MONARCH
TESTED
LAWN SEED
 for
Finer Lawns



JACKSON COUNTY'S NEW COURTHOUSE

Monarch Grass Seed and Vigoro made possible the beautiful lawn surrounding this attractive structure.

Monarch Improved Armory Lawn Grass Mixture

THIS PERFECTLY BLENDED LAWN GRASS MIXTURE WILL GIVE YOU A LAWN YOU CAN MOW IN SIX WEEKS FROM PLANTING. ARMORY LAWN Grass Mixture is a combination of grasses and clover mixed in such proportions as to give you a quick, sturdy and beautiful lawn. The faster growing grasses contained in Armory Mixture serve as nurse crops for the slower growing varieties which are eventually the dominating grasses of the mixture. We placed Armory Mixture on the market many years ago and from time to time have improved the blend by reducing some of the proportions and increasing the quantities of better grasses contained in the mixture until now in our IMPROVED ARMORY MIXTURE we have a grass that pleases wherever it is planted. If you wish to seed a shaded area just tell us so and we will incorporate the right amount of a shade-loving grass in Armory Mixture. If your order does not specify seed for shade we will send straight Armory Mixture. Rate of seeding is 1 lb. to 200 sq. ft. Price, lb. 60c (by mail 70c).

STRAIGHT LAWN SEEDS

Highland Bent Grass. For the finer lawns use Highland Bent. Particularly adapted to interior regions. Per lb. \$1.10, postpaid.

Kentucky Blue Grass. We offer this grass seed in three grades, all of extra fancy quality, recleaned, free of weeds and high in germination. Extra Fancy Seed, per lb. 50c; Fancy Seed, per lb. 40c, postpaid.

White Dutch Clover. Extra fancy seed, free of weed, of high germination. Per lb. 65c, postpaid.

Making a Lawn. We have a very complete bulletin on the proper method of planting a lawn. If you'll just drop us a line requesting this instructive bulletin we will mail it to you free of charge.

For Flowers, use
VIGORO

FIELD GRASS SEEDS

Write for Quantity Prices

For Lawns, use
VIGORO

Crested Wheat Grass. Here's a grass that no amount of drought can kill out. If you have real dry land in which you have been unsuccessful in getting a profitable stand of grass or hay, plant Crested Wheat Grass. A little preparation of the soil and the sowing of 15 pounds per acre of this dryland grass will solve the problem presented to you each year by that dry land. Crested Wheat Grass makes a palatable hay, produces well and will not kill out. In spite of the severe droughts in the middle west, Crested Wheat Grass has held its own, producing feed where all other grasses failed. The crop of seed is extremely short this year and our supply quite limited, so order early. This grass is the first to start in the spring and the first to spring to life when fall rains come. It stands the severest cold weather and best of all, the hottest and driest summer weather. Lb. \$1.00; 10 lbs. \$9.00, postpaid.

Red Top (Herds Grass). Sow 12 to 15 pounds per acre. This is one of the most valuable and satisfactory grasses in all localities. Thrives on low ground, where water stands late in the season. Red Top should be included in all mixtures intended for permanent pastures or hay. It makes excellent pasturage and is ideal for hay. When well established it spreads and will supplant other grasses. Fine for hillsides, will prevent erosion. Matures at the same time as Meadow Fescue, Orchard Grass, Tall Oats Grass and Timothy. Lb. 35c; 10 lbs. \$3.25, postpaid.

Tall Meadow Oat Grass (Evergreen Grass). This grass seems to make more leafage and grazing, a larger yield of hay and to keep green longer, both during the winter and summer, than most grasses. It is especially adapted to heavy soils. It withstands heat and drought and the cold of winter; starts very early in the spring and continues late in the fall. For hay it

can be cut twice in a season, frequently producing doubly as much hay as timothy. Ripens at the same time as Orchard Grass and Red or Alsike Clover. Thrives on uplands but gives excellent results on nearly all soils and better than most grasses on light and sandy soils. When sown alone, sow 25 to 30 pounds to the acre either in spring or fall. Lb. 50c; 10 lbs. \$4.50, postpaid.

Kentucky Blue Grass. Sow 20 to 30 pounds per acre. There is no better grass for permanent pasture than Kentucky Blue Grass. It is nutritious, palatable and a heavy producer. Except in very light soils it should be included in every mixture. Very hardy, spreads freely, produces abundantly, withstands drought and cannot be tramped out. Lb. 30c; 10 lbs. \$2.50, postpaid.

Winter Blue Grass (Poa Bulbosa). "The Grass That Grows When Other Grasses Sleep." Poa Bulbosa reverses the normal order of growth and produces winter grass while other crops are dormant. It is a perennial and distantly related to Kentucky Blue Grass. Cattle eat Poa Bulbosa readily and greatly relish this grass either in the green stage or as dry pasture. Poa Bulbosa can be winter pastured and toward spring the cattle removed to permit the grass to grow to full development when it can be either dry pastured or cut for hay. It supplies winter grazing when all other grasses are dormant. Will not become a pest. Requires no further seeding when once established. Plant in the fall or early winter, seeding at the rate of 25 pounds per acre. Poa Bulbosa can be combined with alfalfa resulting in two crops from the same piece of ground; hay crops in the summer and pasture during the winter. Postpaid, small lot price, 50c lb. Write for quantity prices.

GRASS SEEDS

Quality Distinguishes Our Grass Seeds

Oregon Rye Grass. A rapid grower, very winter hardy, leaves and stems medium fine, stools heavily, has a bright green color. Excellent for pasture or for hay. Plant with Ladino Clover to prevent bloating. Sow 20 pounds per acre. **Lb. 20c; 10 lbs. \$1.50, postpaid.**

Brome Grass. Will stand drought and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardiest growers and succeeds on our dry hillsides. Sow 35 pounds per acre. **Lb. 35c; 10 lbs. \$3.25, postpaid.**

Timothy, the Most Extensively Grown Hay Grass. Sow 12 to 15 pounds per acre. For hay, timothy is the best known and most extensively grown of all grasses. A stand is easily established, it is inexpensive to sow, it starts quickly and yields its best crop the year after it is sown, but the following year's crop may be equally as heavy if liberally top-dressed with manure. The yield on good land frequently runs from 1½ to 3 tons per acre. Meadow Fescue or Kentucky Blue Grass, Red Top or Herds Grass and Ladino Clover all mature at the same time as Timothy, and are good grasses to sow with it for hay and pasture. A good mixture is 6 pounds Timothy, 5 pounds Red Top, 7 pounds Meadow Fescue and 4 pounds Ladino Clover. Sow this mixture at the rate of 20 pounds per acre. **Per lb. 25c; 10 lbs. \$2.25, postpaid.** Write for quantity prices.

Orchard Grass. The greatest pasture and hay grass. A very vigorous grower and yields large crops of excellent and nutritious hay, as well as having special value as a pasture grass, furnishing good grazing from early spring till winter. It adapts itself to a variety of soils, provided they are well drained, but succeeds best on loamy uplands or moderately stiff soils, although it does quite well on soils that are inclined to be sandy. A mixture of 15 pounds of Orchard Grass, 12 pounds of Tall Meadow Oat Grass and 8 pounds of Red or

Alsike Clover has proved very satisfactory, is recommended for hay and pasture. When sown alone, plant 30 to 35 pounds per acre. In a mixture as above, sow 20 pounds per acre. **Lb. 35c; 10 lbs. \$3.00, postpaid.** Write for quantity prices.

Sudan Grass. A wonderful quick-growing Summer Hay Grass. An annual with short fibrous roots that are killed by frost. Because of this characteristic, Sudan Grass will never become a pest as will Johnson Grass. Its greatest value is for hay, which is well liked by stock—the entire plant, leaves, stems and heads, is eaten. Sow 5 to 6 pounds to the acre in 2-foot rows; 20 to 25 pounds broadcast. **By mail postpaid, lb. 20c; 5 lbs. 85c.** Write for quantity prices.

SOY BEANS

**SOY BEANS—A PROFITABLE CROP FOR
HAY OR FOR PASTURE**

Lb. 25c; 10 lbs. \$2.00.

Virginia, on account of its abundant growth and large yield of beans, makes the best Soy Bean for hay. One of the earliest. Vines make a fine growth, filled with pods, stand about 3 feet high, are easy to cut and cure. Stems fine, leafage profuse. Write for quantity prices.

Wilson Early Black. Very prolific variety and one of the best where quick, early variety is desired. Average height on good soil is about 3 feet. Matures in about 115 days. Prices same as Virginia and postpaid. Write for quantity prices.

Tarheel Black. This is also a very fine variety for hay. Fine foliage, early maturity and heavy yielding. Matures in about 120 days. Prices same as Virginia and postpaid. Write for quantity prices.



ALFALFA SEED

Ladak Alfalfa. This comparatively new variety gives promise of becoming popular and rightly so for it has developed that Ladak is ideally adapted to dry soils which cannot successfully grow the more common varieties. Ladak Alfalfa will produce one heavy crop on dry soils, after which, in case the moisture is not sufficient to continue its growth, it will survive through the season to come again after winter rains have revived it. Other varieties of alfalfa will almost completely die out but not so with Ladak. It may appear completely dead, but will come again when fall rains bring moisture. Ladak is likewise strongly resistant to freezing. In many tests Ladak has proved superior to all others for the cold and dry conditions found in the northern Great Plains areas and it has also given good results under irrigation in the Northwest. If you desire further information on Ladak alfalfa write us for descriptive bulletin. **Lb. \$1.00, postpaid.** Write for quantity prices.

Grimm Alfalfa. The hardiest of all alfalfas and will stand the severest winters of our mountain sections. It has a branching root growth that gives the plant a firm hold on the soil and

prevents heaving by frequent freezing and thaws, and also adapts it to shallower soils. If your soil has a hardpan near the surface, or if your farm is in the mountain section, it will pay you to give Grimm the preference. Being short rooted, Grimm will thrive on soils where the water table is close to the surface. Grimm is very leafy and fine stemmed and is preferred by most hay buyers. Sow Grimm 8 pounds per acre after frost danger is over. Fertilize with Soil Sulphur or Superphosphate for bumper crops the first season. We handle only State Sealed and Certified Grimm seed. **Lb. 50c; 10 lbs. \$4.50, postpaid.** Write for quantity prices.

Common or Chilean Alfalfa. This is the popular long-rooted variety so universally grown. Best adapted to deep soils. We handle only the hardiest types of Chilean, selecting our seed from growing districts which produce seed of true type. Our mountain grown seed will produce stands of longer duration and prove more profitable to plant. **Lb. 40c; 10 lbs. \$3.50, postpaid.** Write for quantity prices.

SEED GRAINS

OATS

Kanota Red Oats. Asked why he thought Kanota oats were better, one of our California customers answered: "They mature 10 to 14 days earlier than other Red Oats planted under similar conditions, produce taller, finer straw, finer leaves and heavier heads, show a higher test weight per bushel. The kernel is heavier in proportion to the size of the grain than other oats and Kanotas resist lodging to a remarkable degree." A recent test at Davis, California, on the University Farms, Kanota Oats yielded 85.2 bushels per acre against 52.6 for California Red Oats. Write for prices.

IMPORTANT—Please Read. Clover, grass and field seeds are subject to market changes, therefore we cannot print prices good for any length of time. When you are ready to buy, drop us a line stating what you are interested in and how much you will want, and we will quote, submitting samples at the same time. We quote only on fancy stock seed. Our prices will be right.

White Seed Oats. Our stock are all double re-cleaned. Light oats and chaff completely taken out. We can supply you with SHADELAND, Eclipse; SHADELAND, Climax; COMMON WHITE. Write for prices.

Winter Gray Oats. Recommended for fall sowing. Winter Gray Oats will withstand hard winters better than either white or Kanota Reds. Heavy producers, sweet and nutritious. Can be planted in the spring in the Coastal sections but not recommended for spring planting inland. Write for prices.

SEED RYE

Beardless Spring Rye. A splendid sort, very hardy, yielding a heavy crop and much relished by stock. Beards drop off when handled. Write for prices.

BARLEY

Success Beardless Barley. This variety brought out and successfully featured by Washington State College, has proved more than was anticipated in the Rogue River Valley. A heavy yielder that will not lodge and almost devoid of beards. Write for prices.

Common Beardless Barley. While a small percentage of beards will be found in this sort, we believe our stock is as free of beards as is possible to secure. Write for prices.

Bearded Barley. Grown usually for the grain. Hardy and a heavy yielder. Our stock of this type is always of highest grade. Write for prices.

WHEAT

Federation. A variety of beardless wheat that is gradually taking the place of Club and Bluestem. Especially recommended for rich ground as it does not lodge badly. Can be sown in fall or spring, excellent for hay. Write for prices.

Bluestem. Preferred by many for hay purposes. Bluestem has a soft straw, therefore makes a better hay, not so stiff. Lodges badly on heavy ground. Does best on higher, poorer soils. Very leafy and beardless. Write for prices.

Big Blue Club. One of the club wheats, Big Blue Club out-yields them all. It is adaptable for hay, being very leafy. The stem is strong enough to prevent lodging easily. Our seed came from a field that yielded 55 bushels to the acre. Write for prices.

FIELD CORN

Bigger and Better Yields from Our Acclimated Seed

Rogue Valley Yellow Dent. This strain of yellow corn was originally Minnesota No. 13, but by continued crossing it has been improved to the extent that the ears are larger, kernels heavier and the crop earlier maturing. Matures in about 120 days. The earliest of the more prolific corns and probably holds the record for the largest yield. Rogue Valley Yellow Dent makes a beautiful ear and whether on the cob or shelled no yellow corn is more attractive. Grains are deep, medium wider and firmly set on a small cob. The shuck is close and completely protects the tip against adverse weather. Our Rogue Valley Dent is probably the most extensively planted in Southern Oregon and Northern California. Plant when frost danger is over and the ground is warm at the rate of 8 pounds per acre. **Prices, postpaid: Pkt. 10c; lb. 20c; 10 lbs. \$1.25.** Quantity price upon application.

VETCHES AND PEAS

Common Vetch. This is the blue blossom vetch in greater demand for hay crops. Produces well of nutritious hay and outyields most vetch varieties. Write for prices.

Austrian Winter Peas. Here is the ideal forage legume for hay, ensilage or for pasture. Austrian Winter Peas will out-yield vetches 2 to 1. The vines, like all legumes are relished by all kinds of stock. Plant in the fall for best results. Will not winter-kill. **Postpaid prices: Lb. 20c; 10 lbs. \$1.75.** Write for quantity prices.



CLOVERS

Red Clover. The standard clover for all purposes. Makes an excellent hay when mixed with timothy. Succeeds well on most any soil. Inoculate seed before planting and you'll be sure to get a stand. Lb. 40c; 10 lbs. \$3.50, postpaid. Write for quantity prices.

Alsike Clover. This is a perennial adapted for hay or pasture. A valuable crop for bee pasture. Does well either on poor dry soils or in wet rich soil. Being finer, brighter and not so dusty. Alsike hay is preferred to Red Clover. Inoculate all clovers and be sure of getting a stand. Lb. 40c; 10 lbs. \$3.50, postpaid. Write for quantity prices.

White Blossom Sweet Clover. Sweet clover is one of the most important soil improving crops. Withstands adverse conditions of soil and weather better than alfalfa and red clover. Does not winterkill. Produces more on this land than alfalfa and red clover and is equal to alfalfa and red clover in nutritive value. Sow it for hay, pasturage and soil improvement. Sow it for pasturing hogs and cattle—they all like it. Sow it on lands too poor, too worn out, too sandy for other crops and bring the land into condition to produce profitable crops. You can sow it on your fall-sown grain without preparation, except harrowing. Make the seedbed fine and compact and cover the seed lightly. Inoculate with Nitragin, listed below. Plant 20 pounds to the acre from February to March. We offer only scarified, hulled, fancy seed, free of dodder, of high purity and germination. Scarifying raises the germination percentage, which is very low on untreated seed. Prices postpaid: Lb. 25c; 10 lbs. \$2.25. Write for quantity prices.



LADINO CLOVER

The Greatest Pasture Clover Grown

Ladino Clover will pasture more cattle and hogs than any other clover. Ladino is a perennial white clover that grows from 12 to 18 inches tall, producing a most palatable forage for cattle, sheep and hogs. Ladino increases milk flow, improves soil, will thrive on shallow moist soils and is the first clover to awaken in the spring and the last plant to quit in the fall. Ladino clover should be sown in the spring for best results. Prepare the soil early and have it in readiness for sowing. The application of superphosphate or sulphur to the soil will quicken the young growth and promote a heavier and sturdier stand. Sow 6 pounds of seed per acre, harrowing in lightly. It is not necessary to grow a nurse crop with Ladino, although many growers plant Rye Grass, Orchard Grass or Fescue with the Ladino, claiming that it will prevent bloating. We believe this a good practice.

Prices: Blue Tag Certified seed, \$1.25 per lb.; Red Tag Certified seed, \$1.00 per lb.; Pasture Grade seed (contains some alsike and white Dutch clover, which is not objectionable for pasture purposes), 75c per lb. Prices postpaid. Write for quantity prices.

COMBINATION FERTILIZER and SEED SOWER

This Dual Purpose Machine is designed with extra heavy gears and brass bushed bearings for hard service and long wear.

SPECIAL VALUE TO FARMERS—

It is of special value to farmers who wish to apply their fertilizer or seed early in the spring when the soil is still wet from early thaws. It can be used anywhere that a man can walk, since it is carried by means of a strap over the shoulder of the operator. It is especially useful on steep,

rough, irregular grass lands. Then, too, the proper time for such fertilization comes so early that the soil is usually too wet for the use of a team or tractor.

SOWS ANY KIND OF SEED AS WELL AS FERTILIZER—

The Combination Sower also broadcasts all kinds of seed, such as clover, timothy, millet, sudan grass, alfalfa, wheat, etc., perfectly in desired amount per acre.

Packed 1 in a shipping carton. Price \$3.75. Shipping weight each 7 lbs.

"CYCLONE" SEEDER is the most widely known and used seeder of all broadcast seeders. The working parts are all attached to a rigid frame of kiln-dried lumber. Built into this is a sloping feed-board that forms the bottom of the seed compartment. It is unnecessary to tilt the machine as gravity keeps the seed flowing down to the outlet until seed bag is empty. Shipping weight 5 pounds.

Price, \$2.75

Please add postage to items not postpaid.



1938 Price Reductions

AGAIN MARKS LOWEST PRICE in NITRAGIN HISTORY

Only 50¢

Fresh Each Year—High Count

Per 1 BU. SIZE

ALFALFA and CLOVER

NITRAGIN
The Original Legume Inoculator

EST. in
1898
39 Years
of Service

BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Make the most of your seed, soil and labor. Don't let legumes rob your soil—be sure they are soil builders.

Remember legumes NOT Inoculated are "SOIL ROBBERS" but legumes WELL Inoculated are "SOIL BUILDERS." Play safe!

INOCULATE WITH NITRAGIN

Nitragin is an approved, moist soil culture—tested and guaranteed—easy to apply—packed with Billions of fresh bacteria—the cheapest legume crop insurance money can buy. Direction on every can.

With New Low Prices in 1938, you can afford to inoculate all your legumes with Nitragin

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS

Size	Price
1/2 bu. ea.....	\$.30
1 bu. ea.....	.50
2 1/2 bu. ea.....	1.00

LESPEDEZA Unhulled or Hulled

Size	Price
1 bu. ea.....	\$.30
2 bu. ea.....	.50
5 bu. ea.....	1.00

VETCH, AUSTRIAN PEAS CANADIAN PEAS, BEANS

1/2 bu. ea.....	\$.25
1 bu. ea.....	.40
*1 2/3 bu. (100lb size) ea.	.60
5 bu. ea.....	1.70
*12 1/2 bu. ea.....	4.00
*100 lb. size and 12 1/2 bu. size packed only for Vetch and Peas	

PEANUTS, SOY BEANS, COW PEAS, LIMA BEANS

1 bu. ea.....	\$.30
2 bu. ea.....	.50
5 bu. ea.....	1.00
10 bu. ea.....	1.60
*25 bu. ea.....	3.00
*25 bu. size packed only for Soy Beans, Cow Peas, Peanuts	

NITRAGIN GARDEN SIZE for Garden Peas, Beans, Sweet Peas, Lima Beans and Lupines.
Retail Price.....10c each.

NITRAGIN—Oldest and Most Widely Used Inoculator in America



**BIGGER
YIELDS . . .
BETTER
VEGETABLES
WITH
VIGORO**

● Home gardeners everywhere praise VIGORO, the complete plant food made by Swift. They like it because it truly does give their plants a "Square Meal." Then, too, Vigoro is so clean and easy to use. There's no odor, and you'll actually find it the most economical plant food you've ever used. For garden success . . . feed

Prices f.o.b.
Medford.

VIGORO
Complete plant food

VIGORO is available in these convenient sizes:	100-lb. bag, \$3.75	10-lb. pkg. .70
	50-lb. bag, 2.40	5-lb. pkg. .45
	25-lb. bag, 1.40	1-lb. pkg. .10

Garden VOLCK Spray

For control of APHIS, RED SPIDERS, THRIPS, MEALYBUGS, SCALE INSECTS

Garden Volck Spray is a contact insecticide that offers the home gardener as nearly complete a spray as can be put in one package. It is particularly useful for the garden because of its wide margin of safety on plants and its effectiveness in killing so many different insects.

3½ oz. 35c	1 quart, \$1.25
1 pint, 85c	1 gallon, \$3.00
5 gallons, \$10.00	



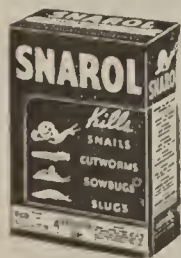
NAPHTHALENE

Drives away grubs, wire worms, slugs, centipedes, aphids, etc. Used in treating the soil for insect pests.

1-lb. .25c	5-lb. .75c
10-lb. Tin \$1.25	Write for prices of larger quantities.

ANTROL

Kills ants in the nests. Is a safe, sure, permanent and scientific method. It is easy to use, economical. Safe around children and pets. Controls both sweet and grease eating ants. Prices: Antrol ready filled sets containing 4 filled feeders, 40c; Antrol regular sets, 4 containers and a 4-ounce bottle syrup, enough for 2 fillings, 65c; Antrol syrup for refilling, 4 ounce bottle, 20c.



SNAROL

—is a ready-prepared meal that you simply broadcast on the ground under vegetation. It will not deteriorate from rain or sprinkling and it lasts a long time and is economical. It is prepared for cut worms, sowbugs, grasshoppers, slugs, snails, earwigs. Prices not postpaid; 1½-lb. package, 25c; 4-lb. package, 60c.

GRAFTING WAX

We manufacture our own wax, using the best formula obtainable. This is a high grade preparation. Easy to handle. For pruning or grafting or for covering fresh cuts. ¼ lb. 15c; ½ lb. 25c; 1 lb. 35c; 10 lbs. \$3.00. F. O. B. Medford.



Earlier to Market with HOTKAPS

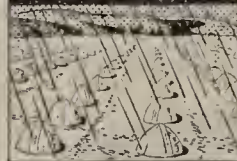
FROST can't hurt



Mature your crops two to three weeks earlier. Get premium prices and bigger yields by protecting your plants with HOTKAPS. HOTKAPS are patented wax paper cones—miniature hothouses—that keep out frost, rain, wind, birds and insects. They maintain a perfect mulch around each plant, promoting sturdy growth.

Protect crops. Save work and worry.

RAIN can't harm



Millions of HOTKAPS are used every season. Inexpensive to buy. One man can set out 2000 or more per day.

Prices: 1,000 lots, \$10.25; 5,000 lots, \$10.15 per M; 10,000 lots, \$10.05 per M; 250 trial package, including Garden Setter with Tamper, \$3.85; 100 trial package, including Garden Setter with Tamper, \$2.65. HOTKAP Home Garden Package, 50c; Germaco HOTKAP Steel Setter with Tamper, \$1.50; Garden Setter, 50c. Postage extra.

INSECTS can't touch



Weight: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Home Garden Package, 2 lbs.; Steel HOTKAP Setter, 4 lbs.

Prices f.o.b. Medford.

Germaco Hotkaps

"DEAD SURE" GAS BALL RODENT DESTROYERS

This is a gas ball which, when lighted and placed in the proper position down in the runway, pours forth a deadly, poisonous gas that carries death to any living thing in the burrow. Although it means absolute destruction to the rodents it is perfectly safe for the user to handle without injury. It is nonexplosive, does not deteriorate with age and is cheaper than similar materials on the market. Sure death to moles and diggers. Full directions with your orders. Per dozen, postpaid, 50c.

BLUESTONE

Use in the making of Bordeaux Spray or for treating grain for smut before planting. Also used to kill the host of Liver Fluke infesting sheep and cattle. Lb. 15c; 2 lbs. 25c. Write for quantity price.

COPPER CARBONATE

The easiest and most effective manner in which to treat grains to prevent smut. Used at the rate of 2 ounces to the bushel of grain where no infection is noticeable, and at the rate of 4 ounces where smut is bad; control will be complete. Per lb. 30c.

EEZY WEAR GARDEN GLOVES

All leather, dirt-proof, washable gloves, substantially made from select hides and especially processed to add to their wearing qualities. Amazingly soft and pliable. Easy to slip on and off.

No. 6, Women's small. No. 9, Men's med.
No. 7, Women's med. No. 10, Men's large.
No. 8, Women's large.

Per pair, any size, 75c, postpaid.



DOG FOODS AND REMEDIES

PULVEX 6-USE DOG SOAP

Tones, Oils, Grooms, Kills Fleas, Cleans, Deodorizes,
ALL in One Operation



This is the soap that makes bathing a dog a real health-aid. Every time you wash your dog with Pulvex 6-Use you are giving him a beneficial shampoo. Think of all this soap does! Allays itching of oil-dry skins. Stimulates hair growth and hide health. Kills fleas. Deodorizes "doggie" odors. Its rich, oily lather cleans splendidly. Leaves the coat with a beautiful dog-show sheen. Larger size cake. Outlasts two ordinary cakes. More economical. Makes washing a dog really worth your while! Price of the Pulvex 6-Use Dog Soap (super-size cake) 55c, postpaid.

PULVEX WORM CAPSULES

Combination Treatment

Expel Round, Hook and Tape Worms Satisfactorily
and Effectively

With this Pulvex Combination Treatment, you can rid your dog of Tape Worms, Round Worms (Ascarids) and Hook Worms, or any combination of the three. When this combination treatment is employed, the dog owner never need guess as to which of the three types infest; thereby running the risk of worming his dog improperly. The Pulvex Combination Treatment is not only sure but simple. Each package contains enough capsules to worm one 10-pound dog or puppy eight times. For dogs, larger or smaller, the number of doses in a package will naturally vary. Price, 80c, postpaid.



PULVEX FLEA POWDER

Actually Kills Fleas Instead of Stupefying Them



The greatest kindness you could give your flea-tormented pet would be to dust him with Pulvex Flea Powder twice a month. It will not only kill the fleas allowing none to revive and reinfest, but it will protect against fresh attacks. Fleas not only torment a dog but can be the cause of him becoming infested with a tape worm. Pulvex Flea Powder is ideal for cats, too. Non-irritating; odorless; as unobjectionable to use as talcum. The world's biggest selling flea powder; the choice of the discriminating. In shaker top cans, 2 oz. 55c; 12 oz. \$1.35, postpaid.

DOG MEDICINES

Tonic & Condition Tablets. A general tonic for all dogs; to build up the system. 65c, postpaid.

Constipation Tablets. Will relieve constipation in dogs and puppies. 65c, postpaid.

Mange Liquid. For treating certain forms of mange and eczema. 75c per bottle, postpaid.

Sulfur Tablets. For cooling the blood; skin disorders, scratching and itching. 65c, postpaid.

Special Tablets (for dogs). For distemper in dogs; fever reducer, diuretic and stimulant. \$1.00 per pkg., postpaid.

Special Tablets (for puppies and toy dogs). For distemper in puppies. \$1.05 per pkg., postpaid.

BOOKS AND LITERATURE

Spratt's Dog Book (Free). Forty-eight pages of "doggy" information. Complete, accurate and up-to-date. Write for your copy—it's FREE.

Canaries, Their Varieties and Management. A complete treatise on canaries, their breeds, care, breeding, etc. Price 10c.

Free Literature on Dogs, Puppies, Cats, Canaries, Lovebirds, Fish, etc., is always available free.

SPRATT'S DOG BISCUIT FOODS



Note: Dog Biscuit prices f. o. b. Medford.
Write for quantity prices.

Fibo. Granulated food (about the size of peas). For dogs of all ages, breeds or condition of health. Contains pure yolk of egg in addition to meat. Very nourishing and appetizing. Per lb. 20c; 2 lbs. 35c.

Ovals. Small oval biscuits. Wonderful for all breeds, especially small dogs. Contain plenty of meat; crunchy and satisfying. Convenient to carry in your pocket when on a walk with your dog. Per lb. 20c; 2 lbs. 35c.

Charcoal Ovals. Same as Ovals with pure charcoal added—black in color. Absorb intestinal gases and impurities, wonderful safeguard against intestinal and stomach ailments. Every dog should have two full meals of these each week; meat-fed dogs even oftener. Per lb. 20c; 2 lbs. 35c.

Dog Cakes. Large, square cakes; the staple diet for the large and medium breeds. Should be fed dry. Per lb. 20c; 2 lbs. 35c.

Cat Food. A granulated food for all cats. Contains meat, fish and milk—a well-balanced and complete food. Can be fed dry or mixed with meat, sardine oil, etc. 35c pkg.

MADRONA (Brand)

DOG Meal

In MADRONA DOG MEAL we offer a palatable, healthful and economical food for your dogs. Suitable for every breed and size. Owners of hounds will find MADRONA DOG MEAL an ideal and strengthening food for working dogs. Many of our customers on this outstanding dog food are owners of bear and cougar dogs and, too, raisers of high-bred dogs use it with beneficial and satisfactory results. These are the ingredients: Ground Barley Groats, Ground Oat Groats, Oil Meal, Mill Run, Middlings, Beef Meal, Ground Cornmeal, Yeast and Minerals. We guarantee MADRONA DOG MEAL to contain 16 per cent protein and 4 per cent fat. DOG MEAL can be fed as a gruel. Merely mix with water or milk. DOG MEAL can also be made into a batter and baked into biscuits. Try MADRONA DOG MEAL. Your dogs will thrive on it and your pocket book will not be taxed to buy food for your dogs. 5c per pound; 50-lb. bag, \$2.25; 100-lb. bag, \$4.00, f.o.b. Medford.

Poultry Is Profitable

DR. SALSBUURY'S POULTRY HEALTH PREPARATIONS

Prices f.o.b. Medford



Use PHEN-O-SAL Tablets to Guard Against Bowel Troubles in Baby Chicks

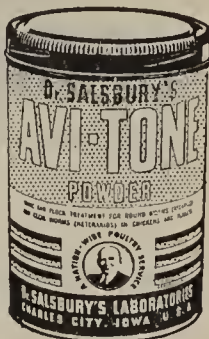
Just drop two Phen-O-Sal Tablets in each gallon of drinking water for your baby chicks. This forms a medicinal fluid that medicates their bowels and soothes inflamed tissues.

50 tablets.....	\$.50	300 tablets.....	\$2.00
125 tablets.....	1.00	500 tablets.....	3.00

AVI-TONE for Tonic and Flock Worm Control

A convenient powder to be mixed with the mash, as a tonic for chicks and fowls of all ages and flock treatment for removal of round worms.

2 lbs., treats 100 birds.....	\$.75
6 lbs., treats 300 birds.....	2.00
15 lbs., treats 750 birds.....	4.75



Worm Your Pullets and Layers with ROTA CAPS

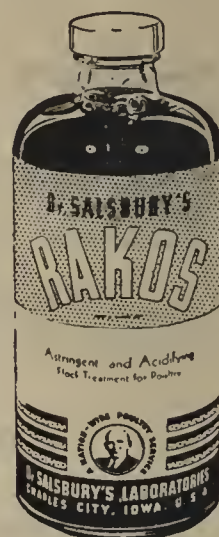
A new individual worm cap that gets round worms, tape worms (tetragona) and creates its own mild laxative action. Most effective—no bad effects, easy and inexpensive.

	Chick Size	Adult Size
100 capsules	\$.50	\$.75
500 capsules	3.50	5.00

RAKOS, the Dependable Liquid Treatment for Coccidiosis

Can be used either in the wet mash or in the drinking water. A convenient flock treatment that should be started immediately when the first signs of coccidiosis appear in the flock. A powerful antiseptic and astringent.

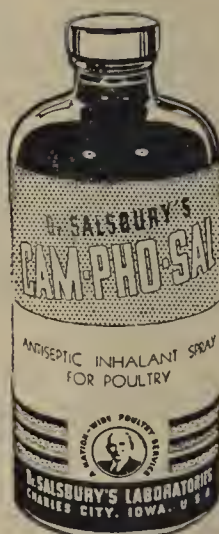
Pint bottle, treats 150-200.....	\$1.25
Quart bottle, treats 300-400.....	2.00
Half-gallon bottle, treats 600-700.....	3.50
Gallon bottle, treats 1200.....	6.00



Spray with Dr. Salsbury's CAM-PHO-SAL to Check Colds and Roup

Cam-Pho-Sal may be used as preventative or treatment for roup, colds, gapes, or pneumonia in fowls of all ages. Diluted with water and sprayed over brood, it creates a fine mist that penetrates the entire breathing passages.

Special (125 flock size).....	\$.60
Small bottle (250 flock size).....	1.00
Medium bottle (500 flock size).....	1.50
Large bottle (1000 flock size).....	2.50
Half gallon (4000 flock size).....	9.25



STOP-PICK Checks Picking and Cannibalism

A blood-colored bitter-tasting paste that quickly cures the habit.

2½-oz. tube, 25c	6-oz. jar, \$1.25
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Let Us Help You With Your Poultry Problems

FLEX-O-GLASS

Keeps Heat In and Cold Out Better Than Glass
Guaranteed 2 Years

LET'S IN OVER 25% OF THE SUN'S HEALTHFUL ULTRA-VIOLET RAYS

Cheese-Cloth Compares with Canvas about like a Cheap Substitute Compares with Genuine Flex-O-Glass--for Poultry House Windows, Enclosing Porches and Hot-Beds

AT 1/10 THE COST OF GLASS

Just Nail Over Screens to Make Ideal Storm Doors and Windows

Extra eggs or chicks saved pay for this Flex-O-Glass Scratch Shed in a few days.

Ideal for enclosing porches, health rooms, covering screen doors, etc.

Flex-O-Glass hotbeds grow plants quicker and much stronger.

FLEX-O-GLASS is indispensable for poultry house openings, hotbeds, sleeping porches; in fact, you will not be without it once you have used Flex-O-Glass. Easy to install. Just tack it up with ample support and it's there for the seasons to come.

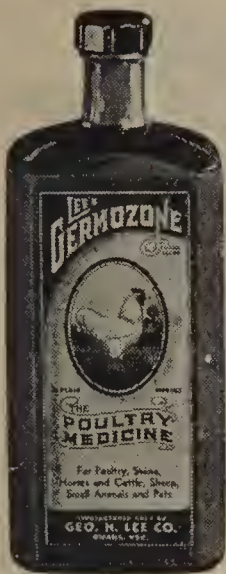
FLEX-O-GLASS admits the valuable ultra-violet rays of the sun. It is weatherproof and waterproof. The hot summer sun will not affect it. Put chicks in Flex-O-Glass brooder houses. The ultra-violet rays will keep them free from weakness due to a lack of Vitamin D. You'll get broilers to market earlier. Use it on your hotbeds and if you wish to enjoy solid comfort, enclose your sleeping porches with this Perfect Glass Substitute.

SPECIAL TRIAL OFFER. Send \$4.75 for 15 yards of Flex-O-Glass, postpaid to your station. If you desire larger rolls we can supply in any quantity at the same price per yard. In less than 15-yard rolls our price is 40c per yard, postage paid.

RED CROSS RAT AND MOUSE EMBALMER

will quickly rid your premises of these pests without any discomfort to you. It embalms them—dries them up—mummifies them. Prices: Small size, 50c; large size, \$1.00. Small size takes care of 500 sq. ft. one application. Large size sufficient for 1,200 sq. ft. one application. Poison—cannot be mailed.



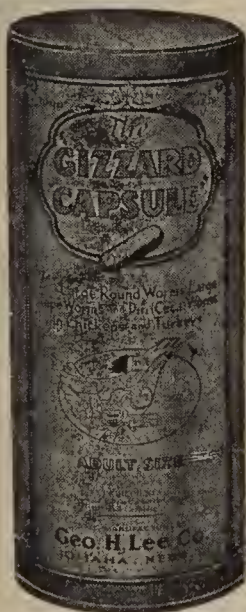


GERMOZONE

It pays to guard against the crop, digestive and bowel disorders that are so common in poultry. Put Germozone in the drinking water and avoid these troubles. Feed three times a week, two teaspoonfuls to the quart of water. Germozone is germicidal against germs with which it comes in contact, first in the water and then in the crop. Give your poultry the benefits of Germozone.

4-oz. bottle \$.45 ppd.
12-oz. bottle .85 ppd.
32-oz. bottle 1.65 ppd.

THE GIZZARD CAPSULE



Most wormy birds have two or three kinds of worms. If they have Large Tapes and Pins they should not be wormed for only Rounds. The Gizzard Capsule is for all three kinds, Large Round, Large Tape and Pin Worms.

It is much easier, and costs less, to give each bird a Gizzard Capsule than it would be to give one kind of powders or medicine for Large Round Worms and something else for Large Tape Worms.

Because the Gizzard Capsule coating is insoluble it won't dissolve or melt in crop or stomach. The proper dose, full strength, fresh, undiluted and unweakened, is delivered right into the gizzard without any previous absorption of any of it by the bird to sicken it. There the capsule is crushed like a grain of corn and the medicine passes directly into the intestine and to the worms.

Nothing else can give you these advantages of the Gizzard Capsule. Worm your poultry with it—chickens and turkeys. Prices postpaid:

	50-cap. pkg.	100-cap. pkg.
Adult	\$.80	\$1.35
Pullet	.55	1.10
Chick	.45	.80

Poultry Equipment

F. O. B. Medford Unless Otherwise Noted.



Just Paint it on the Roosts!

USE "BLACK LEAF 40" to kill body lice on poultry, paint the roosts with a thin coating of "Black Leaf 40" (full strength) shortly before roosting time, using 1/2 lb. to about 100 feet of roost. Under average conditions 2 pounds will paint about 400 running feet of roosts and cross-arms. If roosts have been white-washed, clean off the lime completely before painting. 1 oz. 35c; 5 oz. \$1.00; 1 lb. \$2.25; 2 lbs. \$3.25; 5 lbs. \$5.85; 10 lbs. \$10.60. Prices subject to market change without notice, and f. o. b. Medford.

POULTRY PUNCHES. Practical punches for marking baby chicks. Punch clean holes in the web of the foot.

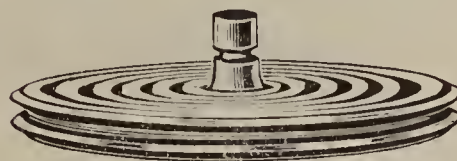


No. 39 Punch. Each50c



Petty's Punch. Each25c

THERMOSTAT WAFERS



For Incubators and Brooders

Renew thermostat wafers yearly to insure good hatches and reliable control of brooder heat.

No. 16—For oil brooders and incubators. Male thread, 3 in. diameter. Each, postpaid, 60c.

No. 4—For coal brooders. 3-inch diameter. Each, postpaid, 45c.

No. 8 — For incubators and brooders. Female thread, 3-inch diameter. Each, postpaid, 60c.

LEE'S LICE KILLER

Destroys Mites and Lice at one-half the usual cost. Simply paint roosts and dropping boards. Fumes kill the body lice. To destroy mites, spray liberally throughout the poultry house once a year with this disinfectant diluted one-half. It has no equal. Qt. can 60c; one-half gal. 90c; gallon \$1.50. Prices f.o.b. Medford.

LEE'S HOG OIL WORMER

Chenopodium is the only recognized drug for expelling Large Round Worms from hogs and pigs. Lee's Hog Oil Wormer contains an effective dose of Chenopodium, put up in a bland oil. Not caustic; better for the animals; much safer. Quart bottle \$2.00, f.o.b. Medford.

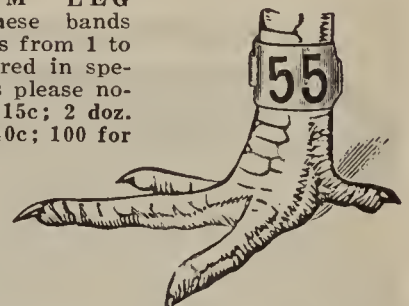
NOT A POISON



INCUBATOR THERMOMETERS — Tested and tried.

Standard. Each...\$0.75
Certified. Each... 1.25

ALUMINUM LEG BANDS. These bands bear numbers from 1 to 1000. If desired in special numbers please notify. 1 doz. 15c; 2 doz. 25c; 50 for 40c; 100 for 65c.



CELLULOID SPIRAL LEG BANDS. Universally used band markers, come in 8 colors and in different sizes to fit all breeds.

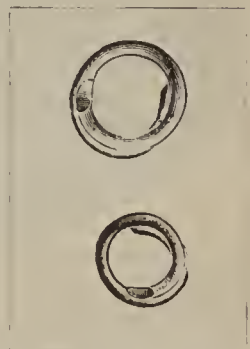
Leghorns, doz. 10c; 50, 30c; 100, 50c.

R. I. Reds, doz. 15c; 50, 40c; 100, 60c.

Plymouths, doz. 15c; 50, 40c; 100, 60c.

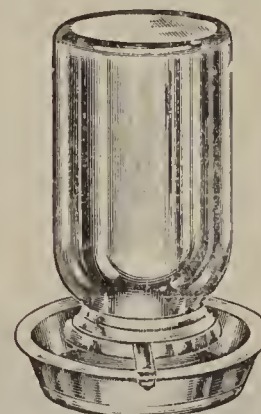
Turkey, doz. 20c; 50, 60c; 100, \$1.00.

State color wanted.



MASON JAR FOUNTS. Glass Pan, Clip Type. Fine for buttermilk feeding or watering chicks. Clip attaches to any size Mason jar. Pan is heavy molded glass with smooth edge. Jar and clip quickly detached for filling.

Cat. No. 365G. Shipping weight, packed lb. each. Price each 15c; \$1.50 per doz.

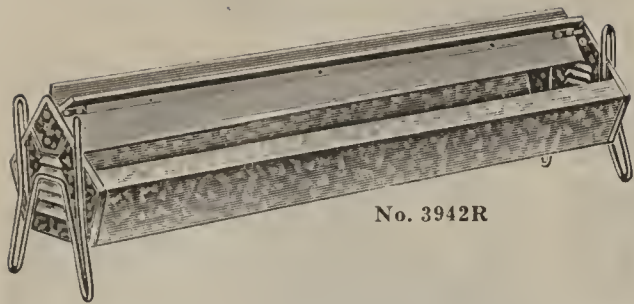


SCREW CAP TYPE ENAMELED PAN, for use on Mason jars. Jar screws in cap which is spotwelded to pan. Die-stamped pan with curled edge. Pan 6 in. diameter. Attractively finished in air-dry enamel. Jars not furnished.

No. 69B. Shipping wt. packed, lb. each. Price each 10c; \$1.00 doz.

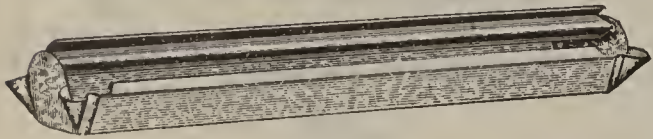


CHICK FEEDER TROUGHS



No. 3942R

CAT. No. 3942R—OAKES BROILER TROUGH with 4-blade revolving reel. Adjustable wire stand keeps litter out of trough. Adjust as chicks grow. Trough is 6¾ in. wide, 3 in. deep. Made of 26-gauge galvanized steel. A heavy serviceable trough for growing chicks or broilers. 1 in carton, 42 inches long. Shipping weight 19 lbs. Price each \$1.35.



No. 106A

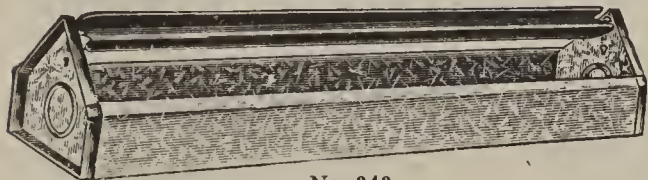
Seamless die-stamped one piece trough with all metal revolving reel. Can be used for feed or water. Edges along trough edge are folded and turn in to prevent feed waste. Reel revolves to prevent roosting. Just the trough to start your chicks right. Three sizes.

No. 104A—Length 12 in., wt. 1 lb. Each.....\$.15

No. 105A—Length 18 in., wt. 2 lbs. Each..... .20

No. 106A—Length 24 in., wt. 3 lbs. Each..... .30

REEL TOP CHICK FEEDER



No. 343

Three lengths, all 4 inches wide, 2 inches deep. Die-stamped ends are inset for strength. Trough of 26-gauge galvanized steel. Reel is adjustable to 3 positions for chicks of any age from day-old to pullet size. Reel revolves to prevent roosting. Turned in flange to prevent feed waste.

No. 343—Length 36 in., shipping wt. 3 lbs. Each.\$.60

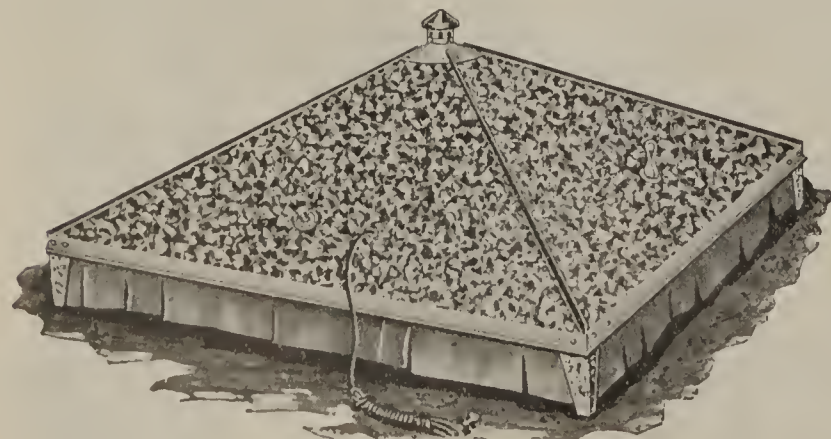
No. 344—Length 48 in., shipping wt. 4 lbs. Each. .75

ADVANCE ELECTRIC HOVER

A splendid low-price outfit for use in brooder houses when outside temperature is around 45 degrees. Automatic thermostat heat control. Ventilated canopy. Enclosed heating element. Round center section heavily insulated. Adjustment screw is on outside of canopy. No. 520 is round center section only. Other sizes as illustrated. A dependable brooder with all the labor saving advantages of electricity. Each brooder comes complete with 110-120 volt heater, legs, curtain, 8-foot drop cord and plug, pilot light, thermometer and regulator. Three sizes. Capacity given for day-old chicks.

No. 521—Size 48 in.; capacity 132-150; wattage heater, 450; shipping weight 35 lbs. Price.....\$11.50

No. 522—Size 56 in.; capacity 300-350; wattage heater, 550; shipping weight 40 lbs. Price..... 12.90



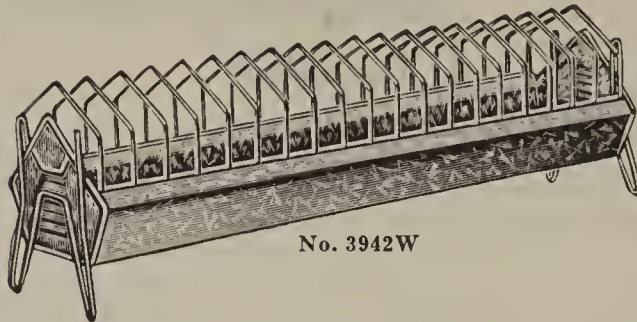
No. 752

GRO-FAST FEEDERS

No. 233N—Revolving 4-blade metal reel prevents roosting. Adjustable for chicks of various ages. Wire stands permit adjusting trough height as chicks increase in size. Keeps litter out of feed. Trough made of 26-gauge galvanized steel. Flange along edge prevents feed waste. Trough is 5 in. wide, 2½ in. deep. Wedge shaped. Made in two lengths.

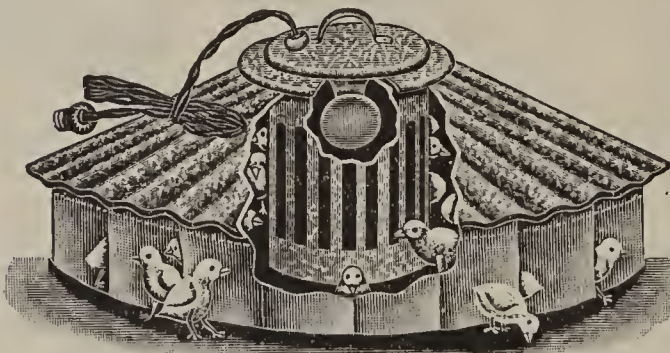
No. 233N—Lgth. 36 in., ship. wt. 5 lbs. Each...\$1.00

No. 736N—Lgth. 36 in., ship. wt. 6 lbs. Each.... 1.10



No. 3942W

No. 3942W — OAKES BROILER TROUGH with hinged wire grill. Keeps chicks from fighting at the trough. Grill lifts for easy filling and cleaning trough. Same dimensions as reel type shown at left. Can be used for small pullets. Made in 42-in. length only. One in carton, weight 10 lbs. Price each \$1.50.



No. 25E

No. 25E—ELECTRIC HOVER for 50-60 chicks. Galvanized steel canopy 25 inches diameter. Canvas curtain to retain heat. Supported in center by metal housing which also protects light bulb or cone heater. Uses 50 to 100 watt bulb. Bulb not furnished. Comes complete with 8-foot drop cord and plug. One in carton, weight 7 lbs. Each \$2.85.



NO. 20

No. 20S—OAKES EGG SCALE and GRADER show weight of each egg and weight per dozen on double dial. Accurate, dependable, fast. Adjustable to grade eggs of any weight. Working parts rust-proofed. Weighs from 18 to 30 oz. per doz. One in carton, weight 2 lbs. Each \$1.60.



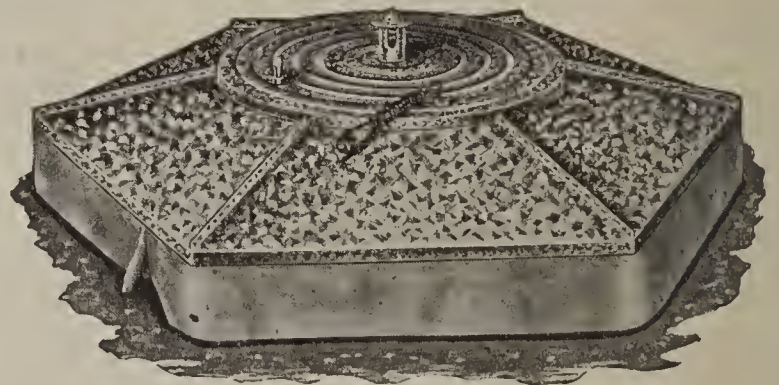
E-Z FILL FOUNTS

No. 32

Made of heavy gauge materials throughout. Brass spring valve on inner tank. Operates on vacuum principle like No. 93. Rust-proof cone top. Outer tank has bail for use as pail. Inner tank has cross handle. Ideal for chicks, pullets or hens. Two sizes. Packed one in carton.

No. 31—Capacity 3 gals., ship. wt. 10 lbs. Price each....\$2.20

No. 32—Capacity 5 gals., ship. wt. 12 lbs. Price each.....\$2.90



No. 522

ELECTRIC HEATED BROODERS

Brood chicks Nature's way. Chicks hover under the canopy as under a hen. Automatic thermostat maintains a constant temperature under the canopy responding quickly to all temperature changes. Circular heating element, fully enclosed, has nichrome resistance wire. Two-year service guarantee on heater. Canopy has adjustable ventilator tube in center—prevents moisture accumulation under canopy. Canopy is made of 26-gauge galvanized steel with adjustable legs. Heavily insulated. On current rates of 3 to 7 cents per K.W.H. costs less to operate than oil or coal brooders. Average of 280 K.W.H. used in 10 weeks brooding period.

No. 752 Electric Canopy—52 in. square, shipping weight 100 lbs. Broods 350 to 385 chicks. Price each, f. o. b. Medford, \$26.50. Price each, f. o. b. Portland, Oregon, \$24.00.

Each brooder comes complete with automatic heat control, pilot light, thermometer, detachable curtains, legs, 8-foot drop cord and plug, completely assembled and ready to plug in. 110-120 volt heating element, 550 watts.



Single Wall
No. 100B

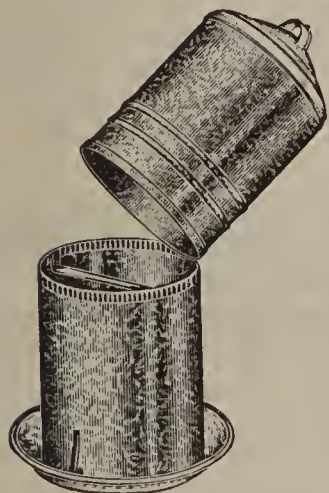
No. 100B Tank snaps on to pan which has 6 drinking cups each large enough for two chicks. Tank held in place by friction. Inverts to fill. Handle for carrying. Inexpensive but good. Made of heavy gauge galvanized steel. Capacity 1 gallon. Shipping wt., packed, 3 lbs. Price each 60c.

No. 100C—2 gal. Shipping wt., packed, 5 lbs. Each 85c.



OAKES FOUNTAIN No. 203—Excellent for chicks or grown fowls. Made of heavy gauge galvanized steel. Die stamped pan. Top has two-way swinging bail, permits fount to be carried when filled. Inverts to fill. Pan held in tank by three clips. Easy to clean and fill. Capacity 3 gals. Packed in carton weighing 5 lbs. Price each \$1.50.

No. 202—Capacity 2 gals. Shipping wt. 4 lbs. Price each \$1.35.



Oakes Double Wall POULTRY FOUNTS

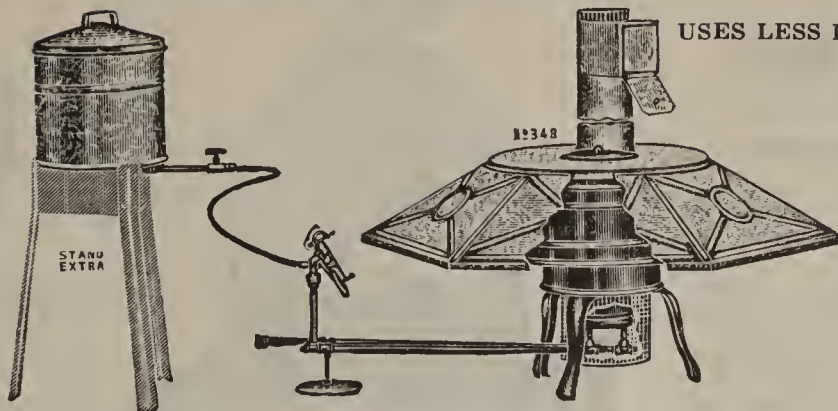
No. 93

Made of 28-ga. galvanized steel. Outer tank opens brass spring valve when slipped into place. Operates on vacuum principle. Roost-proof cone top. Handle for carrying when filled. Cross-handle on inner tank of No. 93 and No. 192 carried by top handle when locked to inner tank. Made in 2 sizes, packed 1 in carton.

No. 192—Capacity 2 gals., ship. wt. 5½ lbs. Price each....\$1.45

No. 93—Capacity 3 gals., ship. wt. 7 lbs. Price each.....\$1.75

Oakes Acorn Oil Brooder



USES LESS FUEL—MAKES CHICK RAISING EASY

1. Burns Kerosene or Distillate.
2. Big Heater Drum 22¾ in. diameter.
3. Drum is 7¾ in. deep. Well baffled.
4. Almost 7 ft. flame travel in drum.
5. Automatic Thermostat Regulator.
6. Efficient AIR-FED Burner.
7. Automatic Draft Equalizer.
8. Fuel Reservoir, 6-gal. capacity.
9. Safety overflow pipe.
10. Safety Wire Guard around burner.
12. Low fuel consumption.

HEAT DEFLECTOR TOP

and canopy catch all the heat—forces it to the canopy wings and down to the floor. Baby chicks are brooded on the floor, not on rafters. No heat is wasted by rising direct to top of brooder house. **ACORN BROODERS** utilize all the heat—prevent heat waste. Fresh warm air circulates under the canopy and between heater drum and deflector top—clearance more than 2 inches. Heat is evenly distributed by canopy. The larger the canopy the bigger the heated floor area.

AUTOMATIC HEAT CONTROL

For low cost brooding use an **OAKES ACORN BROODER**. Produces an abundance of controlled heat. Burns from 1 to 4 gallons of fuel in 24 hours, depending upon size of brooding house and outside temperature. Few stoves can be adjusted to burn as little as 1 gallon in 24 hours.

AIR FED BURNER

The **ACORN BROODER** gives you an extra heavy burner construction. Big cone type oil cracking surface. Extra deep oil well. Oil inlet guarded to prevent carbon getting into fuel supply line. Air is fed to burner ring between the two cast iron burner plates. Is preheated when it reaches the flame. Burns with an intense flame. Minimum soot and carbon accumulation. Easy to clean burner through hole in top of drum. Will burn for days without attention.

TWO CANOPY SIZES

Each stove complete with fuel and overflow pipes, pipe supports, copper tubing, 6-gal. fuel tank, safety wire guard, draft equalizer, canopy and heat deflector top. Canopy dimensions from flat side to flat side. From point to point measure 6 inches more.

No. 547—Canopy size, 42 in.; chick capacity, 500; shipping weight, 75 lbs. Price each, Medford, Ore., \$21.75. Price each, Portland, Ore., \$20.25.

No. 557—Canopy size, 52 in.; chick capacity, 750; shipping weight, 85 lbs. Price each, Medford, Ore., \$23.50. Price each, Portland, Ore., \$21.55.

STAND EXTRA

Stand No. 361—1 in bundle, wt. 6 lbs. Each....\$1.00

Poultry Is Profitable Start Right With MONARCH Chicks

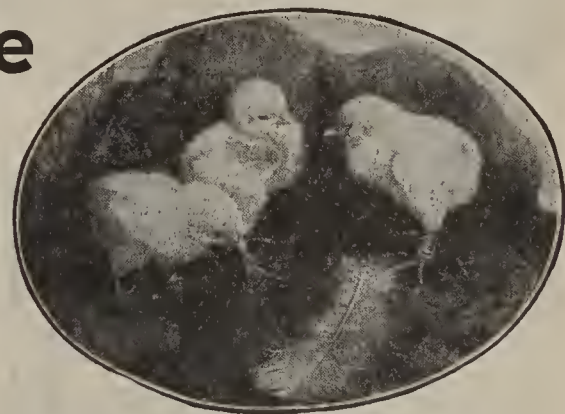
RHODE ISLAND REDS

If you want both eggs and meat select our Rhode Island Reds. There is not much difference in the popularity of this breed and the Barred Plymouth Rocks. Fine, outstanding males head our flocks and the hens are selected for egg production as well as for type, size and vitality.

We can also supply the following breeds:

BUFF ORPINGTONS
WHITE PLYMOUTH ROCKS
BLACK MINORCAS
WHITE MINORCAS
ANCONAS
BROWN LEGHORNS

**We Guarantee Safe Delivery
of the Full Number of Live
Chicks Paid For.**



WHITE LEGHORNS

Most popular breed on the Pacific Coast. Selected, ranged stock. Good producers mated with males from trap-nested hens with records 250 eggs or more in their pullet year. They come from the West's most popular strain of egg producers and are truly "bred to lay" birds.

BARRED PLYMOUTH ROCKS

We have some excellent stock in this popular breed. One of the most popular for broilers and fryers. Also a splendid dual purpose fowl. Hens come from egg production strains. Males chosen for vigor, for type and barring and come from large egg strain.

All baby chicks hatched in modern, sanitary incubators, shipped in new clean chick boxes, and every precaution taken by experts to get chicks to you in perfect condition.

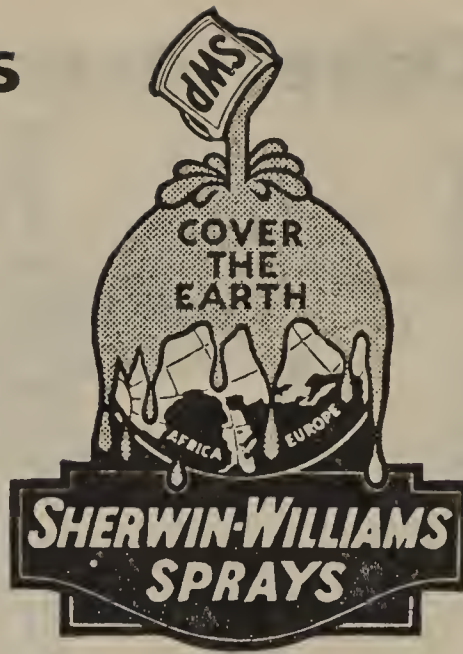
Sherwin-Williams Insecticides

Cover the Fruit for Protection



Come in or write for a FREE copy of "GARDEN SPRAY GUIDE." Tells how to identify the pests—what to use and when to spray.

Prices are F. O. B. Medford
Unless otherwise noted.



SPRAY FLOWERS AND ROSES OFTEN TO AVOID DISEASES

ROTO-DUST



A non-poisonous insecticide containing rotonone or derris. Sure death to leaf eating and sucking insects that infest fruit and vegetables. An ideal material for the control of corn ear worm and cabbage aphids and worms. Apply to sweet corn just when the silk is forming and then follow with a second application two weeks later. This material cannot be mixed with water. We recommend the No. 612 Patrol Duster (see page 39) as the most efficient applicator of Roto-Dust to corn, cabbage and other garden truck. 1-lb. pkg. 40c; 5-lb. pkg. \$1.00. Write for quantity price. Five pounds required to dust one acre of cabbage or corn, one application.

ROSE-AID (Stomach Poison and Contact Fungicide)

An especially prepared dust for roses. Will control Black Spot and Mildew on rose bushes. May be used also for Rust on asters, hollyhocks, and carnations; Mildew on phlox, larkspur, golden glow, dahlia, chrysanthemums, zinnia and sweet peas.

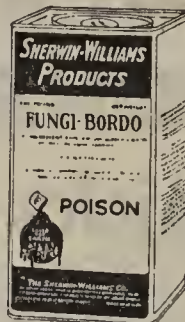
2 lbs.....65c



FUNGI-BORDO (A Fungicide)

A chemically combined Bordeaux mixture for control of fungus diseases on trees and shrubs. Use for Leaf Curl and Blight on Peaches, Scab on Apples and Pears, Mildew, Rust, Strawberry Leaf Spot, Celery Blight and as a repellent for Flea Beetles on Garden Plants.

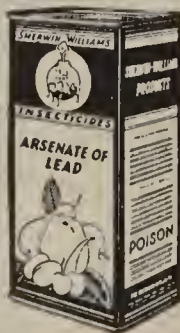
1 lb.....35c 4 lbs.....60c



NICOTINE DUST

A safe dusting material containing nicotine for control of plant Lice and THRIPS. Especially formulated for use on delicate plants that may be susceptible to injury from other sprays.

1 lb.....50c 5 lbs.....\$2.25
10 lbs.....\$4.00



ARSENATE OF LEAD

A stomach poison spray for control of leaf eating insects such as Caterpillars, Beetles, Slugs and for the Apple and Pear Worm. May be applied either as a liquid spray or a dust.

½ lb.....20c 1 lb.....35c
4 lbs.....70c

DRY LIME SULPHUR (Contact Spray)

A Lime Sulfur spray in dry form to be mixed with water for control of San Jose Scale, Pear Leaf Blister, Mitc, Mildew, Moss, Apple and Pear Scab.

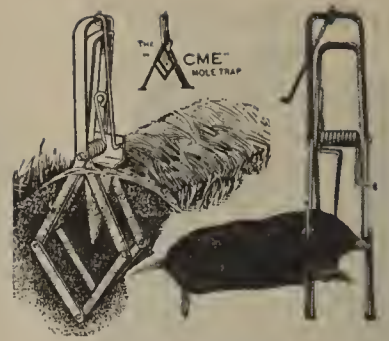
1 lb. 35c 5 lbs. \$1.50
25 lbs. \$3.00



PESTROY

Contains a stomach poison and contact fungicide. A combination spray for control of leaf eating insects and fungus diseases. Recommended for potatoes, beans and all garden crops as well as shrubbery.

1 lb.....40c

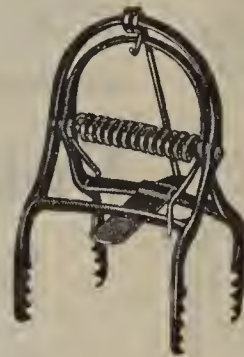


THE ACME MOLE TRAP

Most Efficient Mole Trap on the Market. Moles, the bane of every gardener, fall prey to this trap. We have tried out all types of traps with little success, but after giving the ACME Trap a real try-out this past season we are convinced that we have finally found the trap every gardener is looking for. Ten moles in one run in two days. That's what we did with the ACME. Read what others have to say about the ACME.

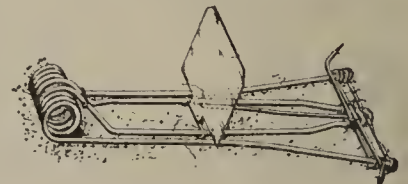
The ACME is safe, sure, small, easily set and rust-proof. Rid your garden and lawn of moles with an ACME. Price, postpaid, \$2.00.

OUT-O-SIGHT MOLE TRAP



Absolutely reliable. Directions for setting and full directions of the mole's habits furnished with each trap. Heavy powerful springs, malleable iron jaws. Teeth designed so as not to injure the hide. Height 8½ in. Spread of jaws 2¾ in. Weight each, 1½ lbs. Price, \$1.50, postpaid.

MACABEE GOPHER TRAP. There are more Macabee traps sold than all other makes combined. They are inexpensive and very efficient. Designed for exterminating the wily Pocket Gopher. Weight ½ lb. Price, each 30c, postpaid.



REDDICK MOLE TRAP

The most popular Mole Trap on the market. Made in tinned steel. Japanned steel coil spring. Six steel prongs 5 inches long. Simple, safe and strong. Pulling up the plunger rod of this trap the trigger catches itself, making it a self-setting trap. The Reddick works perfectly in loose soil, but in case of packed or hard soil we do not recommend it. The OUT-O-SIGHT trip is the best trap for use in soil that is pebbly, rocky or packed. Weight 4 lbs.

Each, \$1.50, postpaid.



HUDSON SPRAYERS

A SPRAYER FOR EVERY PURPOSE
PRICES F. O. B. MEDFORD, OREGON

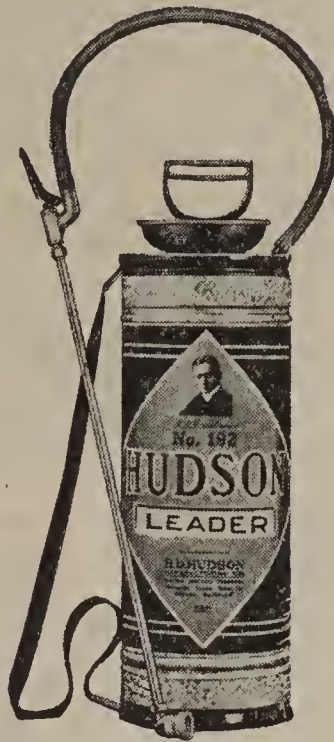
HUDSON "PERFECTION" SPRAYER

Easy fill, open top makes for ease in filling and cleaning. Hudson engineers have perfected the open-mouth principle of compressed air sprayers to the point where "Perfection" is the last word in tank sprayers. When the pump and top assembly is locked in position on the "Perfection", it is there to stay. So is the pressure in the inside of the tank. Four points of contact insure a positive seal. Equipped with an ingenious eccentric type lock to provide quick, secure locking, or safe, easy release. Made either in galvanized or copper. Shipping weight 13 pounds. Four gal. capacity.



No. 210-B

210-B—Copper tank\$10.50
210-G—Galvanized tank 7.75



No. 192

HUDSON "LEADER" SPRAYER

"Leader" is representative of the "most for your money". It is substantially built and will take care of maximum wants around the home garden. An outstanding value in a compressed air sprayer. While the quality of "Perfection" will not be found in "Leader" you'll get much valuable service from it. Capacity 3½ gals., shipping wt. 10 lbs. Price each, \$4.25.

HUDSON "THRIFTY" SPRAYER

The "Thrifty" is intended for the small home owner or "Suburbanite" whose work does not justify the investment in one of the larger capacity outfits, or the labor in handling it. Handles all solutions very effectively. Its convenient size makes it suitable for all work around the home, the flower garden, the back-



No. 120-G

yard truck garden and similar places. Capacity 2½ gals., shipping wt. 8 lbs. Price each, \$4.00.

HUDSON "ROTO-POWER" DUSTER No. 608

We are proud to present the new "Roto-Power" Miracle Duster! Built with new super-power—every atom is delivered in a fine, floating dust. The dust flows into the air stream and is whirled through the Roto-Power fan for finest break-up. Twin Agitators, no pressure back-up and no clogging, long wear, economy and comfort. Dust volume control in the "Roto-Power" duster gives you efficiency seldom attained in a large type duster. Discharge equipment, 2 nozzles, wye connection and four 15-inch telescoping tubes. Can be used with one or two nozzles for single or double rows. Shipping weight 15 pounds.

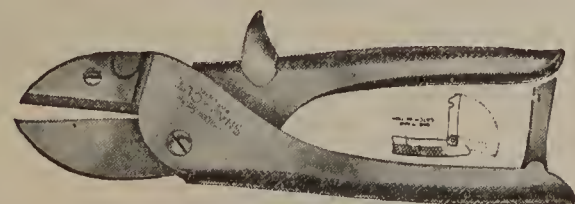
No. 608—"Roto-Power" Duster, largest size.....\$14.50

No. 606—"Roto-Power" Duster, medium size..... 12.25



HUDSON "PATROL" DUSTER No. 612. An effective duster for truck gardens and the flower garden. The two 12-inch extensions and two nozzles permit the operator to reach all parts of the plant. Positive force feed construction absolutely prevents clogging. Fitted with special cupped plunger leather. Powder reservoir—glass. Contents always visible. Easy to fill and clean. Capacity one quart, shipping wt. 4 pounds. Price each \$1.25.

The ADJUTANT DUSTER now has a very wide range of usefulness. Handles all powders and gives a very even distribution. Powder reservoir 3x4 in. Shipping weight 3 lbs. Price each, 75c.

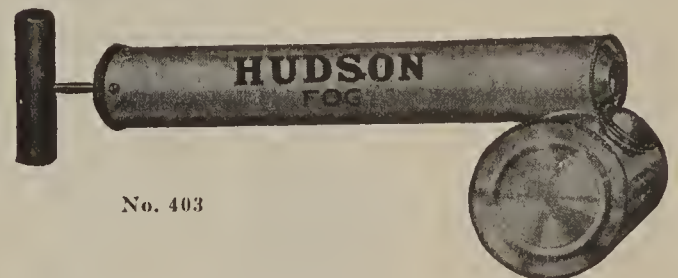


"SNAP-CUT" out-cuts all other pruners. Orchardists, home and professional gardeners everywhere recognize the "SNAP-CUT" as the most efficient pruner on the market today. A new cutting principle makes for easier cutting. Small in size, light in weight. Its handles are wide, comfortable and non-pinching. Those who have tried "SNAP-CUT" will use no other pruner. Even a child can handle this easy cutting pruning shear. Price each, postpaid anywhere, \$2.15. FREE book, "Secrets of Success in Pruning", sent to you by the manufacturer.



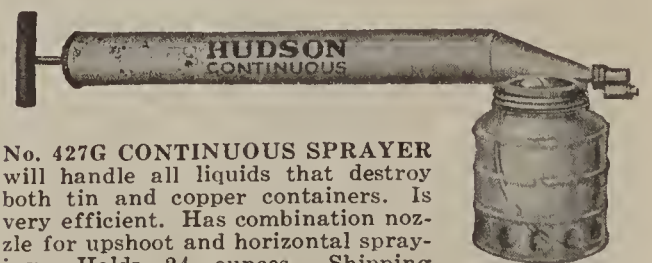
No. 432

HUDSON "CONTINUOUS" SPRAYER No. 432. An exceptionally sturdy unit. Pump passes directly through the top of the tank and is securely soldered, preventing any possibility of parts getting out of alignment. Produces a very finely divided, continuous spray without spitting or streaming. Fitted with double nozzles for particular garden work. Capacity 1 quart, shipping wt. 3 lbs. Price each, 90c.



No. 403

No. 403 FOG SPRAYER handles all fly oils and insecticides and does not permit any liquid to drop on rug, chair, etc. The capacity is about 1 quart. Shipping weight 2 lbs. Price each 50c.



No. 427 G

No. 427G CONTINUOUS SPRAYER will handle all liquids that destroy both tin and copper containers. Is very efficient. Has combination nozzle for upshoot and horizontal spraying. Holds 24 ounces. Shipping weight 4 lbs. Each \$1.45.

Planet Jr. Tools

Make Gardening Easier

Farm Supplies

Prices F. O. B. Medford

Planet Jr. No. 4 Hill and Drill Seeder and Single Wheel Hoe. Price, \$21.50 f.o.b. Medford. Shipping wt. 50 lbs.



No. 4D Seeder only. Price, \$17.00 f.o.b. Medford. Shipping wt. 40 lbs.

The No. 4 is a combination of the most useful tools for a moderate sized garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. A plow adjustable for depth opens a straight narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a Single Wheel Hoe by changing one bolt. Cultivating equipment includes all the essential equipment for hoeing, weeding, cultivating, plowing, furrowing, ridging, etc. The tools are oil hardened and tempered and will wear almost indefinitely.

The Planet Jr. No. 119 is a sturdy, dependable high wheel garden plow. The frame is steel, the wheel is steel, with steel spokes. The cultivating attachments are oil-hardened and tempered and will give excellent service. Having a 24-inch wheel the No. 119 works easily in rough and uneven soil.

Planet Jr. Double Wheel Hoes are almost universally used by professional vegetable growers. They will straddle the crop, working both sides of the row at once until the plants are 20 inches high. The No. 12 is the most popular double wheel hoe because it includes a complete assortment of equipment to do almost any gardening job.

Planet Jr. No. 12 Double Wheel Hoe. Price, \$13.00, f.o.b. Medford. Shipping wt. 33 lbs.



Planet Jr. No. 119 High Wheel Garden Plow. Price, \$4.25 f.o.b. Medford. Shipping wt. 20 lbs.



KOW-KARE makes poor cows better and makes more money for cow owners. Prevents abortion, retained after-birth and cures barrenness.

Medium cans, wt. 2 lbs. \$0.65
Large cans, wt. 4 lbs. 1.25

BAG BALM. A soothing, penetrating ointment for bunches, caked bag, cuts, sore teats, chapping and inflammation of the udder. Gives quick relief and cures. Pkg. 60c; weight half lb.

POKE ROOT COMPOUND. Valuable for the treatment of garget. Pkg. 65c; weight 2 lbs.

FRESHENING PRESCRIPTION. For cows and heifers, for expelling the afterbirth. To prevent retained after-birth. 1 lb. can \$1.00.

DR. ROBERTS LAXOTONIC. For constipation, paralysis or stoppage of the bowels in livestock. 4 oz. can 50c.

CORONA WOOL FAT COMPOUND. Corona is unexcelled for barbed wire cuts, bruises, caked udders, sore shoulders, collar boils, scratches, cracked hoofs, etc. Small can 65c.

DR. ROBERTS PHYSIC BALLS. Like all of these famous stock remedies, Physic Balls will do the work. Pkg. 50c.

DR. ROBERTS CALF MEDICINE. Used for the prevention and to overcome scours in all livestock. 8 oz. can, \$1.00.

PINE TAR. Used for coughs and colds in stock and in case of distemper. Half lb. can 35c.

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ER SHEET

Monarch
SEED & FEED CO.
MEDFORD,

WRITE YOUR NAME AND ADDRESS PLAINLY

HAVE YOU ADDED POSTAGE TO ITEMS NOT POSTPAID ?

[illegible]

From

Monarch
SEED & FEED CO.

"Your Seedsmen Since 1910"

Medford, Oregon



NEW COLLARETTE MARIGOLD, CROWN OF GOLD

Gold Medal, All-America Selections, 1937

A new kind of Marigold with a Chrysanthemum-like crown surrounded by a collar of big, broad petals of the same color, bright golden orange. It is the only Marigold with entirely odorless foliage. The flowers have a delicate fragrance. Plants grow about 2 ft. tall, bloom early, profusely and continuously until frost. Lovely in the garden; wonderful for cutting. Pkt. 15c.

SNAPDRAGON, ROSE SENSATION (RUST RESISTANT)

Without doubt the finest rose pink Snapdragon ever offered. The color is just right. It is the richest, most charming shade of rose pink imaginable, with just a slight touch to salmon to add to its piquancy. It is good for the garden or any location where a first class rose pink Snapdragon is needed. Flowers are huge, both tube and flower being one solid color. Pkt. 25c.



NEW AGERATUM FAIRY PINK

This new variety is a dwarf compact type of a delightful soft salmon rose pink color. It begins to bloom when not more than 1½ to 2 inches high and continues to grow until it has formed a solid mass of blooms. Especially good for borders because of the mass of color. Pkt. 25c.

MARIGOLD DWARF FRENCH DOUBLE HARMONY

An outstanding Marigold and one of the finest ever introduced. The flowers are very distinct, Scabiosa-like in formation with tubular deep orange center petals flanked by broad velvety dark maroon-brown guard petals. The plants are dwarf, compact, exceedingly free blooming and extremely early, coming into flower about June 1st. Excellent for use in the garden and for cutting. Pkt. 10c.



Monarch
SEED & FEED CO.

MEDFORD
OREGON

Keith's

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